

CAWP Student Estimating Competition

February 22-24, 2024

Student Resume Book



**Constructors Association
of Western Pennsylvania**

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TEAM:

Bison Bidders

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SUMMARY

Civil Engineering student at Bucknell University in search of career oriented internships in structural and water resources engineering. A driven student with a strong background in problem solving and social skills.

EDUCATION

Bucknell University, Lewisburg, PA

Civil Engineering Student

August 2021 – Present

EXPERIENCE

Design Session Project - Making a Building Smart

Fall 2021

- Research project where I helped design a new, potential floor plan for an abandoned building on Bucknell's campus.
- Using an existing blueprint, we refined the structure to create an open floor plan and implemented smart technology that can run solely off the already existing solar power.

📄 *Linked here is our finished design poster overviewing our project : [ENGR100 Design Session 1 Poster](#)*

Engineering 100 Teaching Assistant:

Fall 2022

- Working closely with Engineering professor and her students
- Assisting students on a project to design an outdoor space that will be utilized by Bucknell's Humanities department
- Design challenges I aid first year students with include: location, accessibility, topography, shade structure, ground cover, rainwater runoff, energy use and/or collection, and structural durability.

Summer Research [Drive Folder](#)

Summer 2022

- Drafted a building analysis and design for a possible "Blower Door Test" within the Bucknell Center for Sustainability
- Heavily utilized the AutoCad design to improve the first-year engineering space located in Bucknell BreakIron
- Assisted in the redesign of the Engineering 100 course for first-year students

Project Engineering Intern: Waters Construction Co. <https://watersconst.com/>

Summer 2023

- As a project engineering intern, my day-to-day work schedule includes on-site meetings with DOT inspectors as well as; fulfilling CON-9, sub req. , and other submittal materials to other construction and engineering companies. Furthermore, I used consistent problem solving in my overview of AUTOCAD drawings, creating blue book based rates for equipment, and putting together bid packages . My office was based in Bridgeport CT, but I spent most days traveling to projects in East Hartford, Mansfield, and Stonington CT as well as put together bid packages for towns throughout Connecticut and New York.

TECHNICAL SKILLS

- Driven student and fast learner
- Intuitive with a strong applied solid, fluid mechanics and autocad design background
- Strong background in differential equations and Water Resources Engineering
- Strong background in scheduling and estimating software such as *Heavy Bid*, *Heavy Job*, and *MS Project*
- Spanish (Limited working proficiency)
- Background in Heavy Civil Construction
- Extensive knowledge of Microsoft Office
- Some experience in ArcGIS

ACTIVITIES

- Bucknell Club Soccer team
- Bucknell Club Cycling team
- Bison Nation
- Volunteer at St. Bridget's Church
- [American Society of Civil Engineers](#)

Tino Cione IV

5600 Church Rd., Bowie, MD 20720 | (240)-695-3532 | tac021@bucknell.edu | [LinkedIn](#)

Education & Honors

Bucknell University, Lewisburg, PA

Expected Graduation: May 2025

Bachelor of Science, Major: Civil Engineering

Relevant Coursework:

- Engineering Graphics
- Introduction to Water Resources Engineering
- Introduction to Environmental Engineering
- Introduction to Structural Engineering
- Introduction to Transportation Engineering

Scholarships:

- Posse Foundation Scholar
- BIRC (City of Bowie InterFaith Recreation Council) Scholar

SKILLS & INTERESTS

- Computer: Experienced with AutoCAD and GIS; Proficient with Microsoft Word, Powerpoint, and Excel
- Soft Skills: Public Speaker, Effective Communicator, Organized, Determined and Motivated
- Currently want to explore the Transportation, Geotechnical or Construction Fields

EXPERIENCE

Geotechnical Engineer Intern- Geo-Technology Associates, Inc., Laurel, MD *June 2023 - July 2023*

Geotechnical Engineer Technician

- Monitored Drilling at Drill sites while collecting soil samples from drilling
- Classified Soil Samples by their color, moisture, stiffness/density, and granular size
- Input Soil Classifications into GeoSystems Software
- Performed tasks on making layout plans of drill sites on AutoCAD Civil 3D

Academics in Your First Year - Bucknell University, Lewisburg, PA

March 2022-Present

2025 Student Ambassador

- Selected from entire engineering class to speak to large groups of potential Bucknell engineering students
- Provide prospective students the perspective of a current engineering student
- Interact with parents and prospective students during Q&A regarding being a Bucknell engineering student

TC Snow Removal - Washington-Metropolitan Area

December 2019-Present

Snow Remover

- Salted public properties (sidewalks, libraries, schools, etc.)
- Shoveled snow from public properties after large winter storms
- Ensured pedestrians and vehicular operators are safe from snow induced accidents

LEADERSHIP

- 9th Grade Class Vice President and 10th Grade Class President
- Best Buddies Vice President 11th and President 12th Grade
- National Honor Society Member 11th-12th Grade, NHS Officer: Historian 12th Grade
- Gentlemen's Club Member 10th-12th, Treasurer 11th-12th Grade

ACTIVITIES & SPORTS

- Bucknell ASCE Chapter Treasurer
- Engineering Success Alliance (ESA)
- Bucknell Club Men's Lacrosse team
- Bucknell Club Men's Rugby

Cindy Mariela Cortez Cu

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SUMMARY

Experienced in teamwork, research, event logistics, customer service, project management, and Civil Engineering technical and software knowledge with a focus in Geotechnical engineering and Transportation.

EDUCATION

Maastricht United World Colleges (UWC), Netherlands

International Baccalaureate Diploma Program

May 2020

- Relevant courses: Environmental Sciences and Societies, and World Arts and Cultures
- Clubs/organizations: Basketball club (leader), Soccer club (member), Environmental Action Group (leader), Live a World (cultural club, team), Japanese club (member), Latinx club (leader), IKL (local community service, member), representative of my residential floor.

Bucknell University College of Engineering, PA

Major of Civil Engineering

Expected May 2024

- Relevant courses: Exploring Eng., Eng. Graphics, Solid Mechanics, Probability and Statistics, Fluid Mechanics, Transportation, Structures, Sustainability Principles, Geotechnical Engineering, Water Resources, Economics and Project Management, and Computer Engineering. (Matlab).
- Clubs/organizations: Engineering Club (Board, Engineering Week organizer), American Society of Civil Engineers (member), Society of Women Engineers (member), Society of Hispanic Professional Engineers (member), Latinx Alliance for Community and Opportunity for Students (Board), Fujimura Fellows (member), Global Student Council (member).

EXPERIENCE

Gannett Fleming, MD

Position: Planning Intern

Dec/2023 - Jan/2022

- Created a resource database for the New Jersey Institute of Technology's staff on Connected and Automated Vehicles.

Position: Geotechnical Engineering Intern

June/2023 - Aug/2023

- Worked on tasks for geotechnical engineering projects (Geostudio, Autocad, reports) and fieldwork.

Housing Services at Bucknell University, PA

Sep/2022 - to date

Position: Residential Advisor of Global House

- Planned and executed events for the residential students to create a sense of community
- Be on duty, be ready to help students, and ensure their safety without compromising mine
- Participated in meetings, communicated information to residents, and reported to supervisors about events and other incidents
- Handle conflicts between residents, check on their physical and mental health, and make the house a comfortable space for all residents

REU for Underground Infrastructure at Lehigh University, PA

May/2022 - Sep/2022

Position: Fellow Researcher

- Researched and collected sources related to Ultra High-Performance Concrete (UHPC)
- Casted samples of UHPC mixed with different fiber percentages to reduce spalling
- Tested strength properties of samples, and spalling
- Reported and analyzed data obtained, summarized it in a report, poster, and presentation

7th Street Studio & Makerspace at Bucknell University, PA*Sep/2021 - May/2022*

Position: Maker Assistance

- Assisted students, faculty, and staff when using studio arts and maker space equipment (includes 3D printers, laser cutters, vinyl cutters, t-shirts pressing, etc.)
- Maintained the order and organization of studio materials, spaces, and equipment
- Helped organize student events, and assisted students during those art-related events

Admissions Office at Bucknell University, PA*May/2021 - Dec/2021*

Position: Admissions Ambassador

- Gave tours of Bucknell University to prospective students
- Recorded a driving tour of Bucknell University in Spanish
- Welcomed prospective students and their families by greeting them, doing check-in, answering their questions, and giving instructions on how to proceed before their tour/information session.

Research at Bucknell University, PA*May/2021 - Aug/2021*

Position: Researcher guided by faculty

- Planned short research project with guidance of faculty from the Civil Engineering Department
- Research about sustainable building design: “Communicating Impacts of Building Characteristics on Space Heating and Cooling using Models and Simulation”
- Presented research conclusion to an audience (faculty and students)

Spanish Department at Bucknell University, PA*Jan/2021 - May/2021*

Position: Spanish Teaching Assistant

- Planned and facilitated Spanish conversation sessions for students in advanced Spanish level
- Planned and facilitated recitations (similar to lectures) for students in beginner Spanish level

Environmental Action Group and Eco-schools at UWC, Netherlands*Aug/2018 - May/2020*

Position: Leader

- Member from Aug/2018-April/2019, Leader from May/2019-May/2020
- Organized meetings and events, worked with communication within the team, whole school, and external organizations, collected information and wrote annual sustainability reports, worked with students and local organizations, and designed and implemented projects/workshops in UWC to become more sustainable.

Live a world at UWC, Netherlands*Aug/2018 - May/2020*

Position: Member

- Designed video projects related to diversity, inclusion, and cultures around the world, worked with communication with people that were filmed, assisted during filming sessions, and wrote subtitles to the videos.

SKILLS AND INTERESTS

- Teamwork, effective communication, adaptability, willingness to learn, project logistics, event planning, and critical thinking.
- Fluent in Spanish and English
- GeoStudio, R-studio, AutoCAD, Sketchup, GIS, Matlab, Logger Pro, Microsoft (Word, Excel, etc), Photoshop, and Illustrator
- Interests include sustainable building design, sustainable lifestyle, women’s role in society and engineering, diversity and inclusion
- Hobbies include playing basketball and soccer, drawing, painting, cooking, and dancing

CHASE DERK

Personal Information

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Objective

I am a Civil Engineering student seeking an internship to gain hands-on experience and an understanding of Civil Engineering in the industry. I want to experience the challenges associated with Civil Engineering and gain experience on how such challenges are approached. I also hope to gain further experience with the sub-disciplines of Civil Engineering and how they all work together towards common goals and outcomes.

Education and Awards

Bucknell University: Lewisburg, PA

August 2021 - Present

Deans List (Fall 2021 - Spring 2023)

Member of Chi Epsilon Civil Engineering Honor Society

Member of American Society of Civil Engineers

Southern Columbia Area High School: Catawissa, PA

2017 - 2021

Distinguished Honors (August 2017 - May 2021)

Work Experience

Undergraduate Research Assistant

Bucknell University | Lewisburg, PA | June 2023 - August 2023

Assisted in research of Per- and polyfluoroalkyl substances (PFAS). Includes analytical and experimental work with soil remediation of PFAS contamination.

Quality Control Technician

Concept Medical Pharmacy | Ashland, PA | August 2022 - Present

Visual inspections of medications to verify quality and remove/replace defective products from patient medication rolls before delivery.

Skills

- AutoDesk AutoCAD
- ESRI ArcGIS Software
- Microsoft Office
- Skyline
- Problem-Solving
- Time Management

Michael Krajniczyn

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Education **Bucknell University, Lewisburg, PA** Expected May 2024

- Degree: Bachelor of Science
- Major: Civil Engineering
- Awards: Presidential Fellow Research Scholarship
- Membership: Bucknell Chapter ASCE, Habitat for Humanity (Vice President), Chi Phi Fraternity

Skills Technical: AutoCAD, Civil 3D, Surveying, Bluebeam Revu, GIS, SAP 2000, Microsoft Office Suite
Courses: Structural Engineering, Geotechnical Engineering, Construction Engineering, Accounting
Other: Creative, Problem Solving, Teamwork

Professional Experience **Skanska Internship, Pulaski Skyway, Jersey City, NJ** Summer 2023

- Supervised, on a day-to-day basis, on-site field labor force for the rocker bent replacement operation that involves the erection of 400,000 lbs of temporary supports, 28 micropiles, 17 miles of detours and lane closures, and the removal and replacement of 200,000 lbs of structural steel all while maintaining live traffic on the roadway above
- Responsible for the safety of all employees and subcontractors to ensure the safe execution of all activities
- Cultivated a positive working relationship with craft labor
- Inspected contractor and subcontractor operations to ensure compliance regarding safety and quality
- Created and maintained site logistics plan, in coordination with General Superintendent
- Conducted quality inspections, determined QC deficiencies, and managed corrections when required
- Monitored costs, including labor time and material
- Prepared and submitted Daily Reports including work in-place quantities
- Attended and participated in project meetings, including subcontractor meetings

Langan Internship, White Plains, NY Summer 2022 and Winter 2022-23

- Assisted with the planning, land development, and permitting for residential, commercial, and renewable energy projects in the New York metro area
- Collaborated daily with team members, project managers, manufacturers, and clients on new approaches that improve efficiency and services
- Utilized AutoCAD/Civil 3D to design and complete markups on site layout, grading, drainage, sanitary sewer, water distribution, erosion and sediment control, and construction details
- Conducted field testing/inspections and permitting including Stormwater Pollution Prevention Plan (SWPPP) inspection, State Pollutant Discharge Elimination System (SPDES) permit, and percolation testing
- Other experience included investigating local zoning laws, making submissions to building department, completing cost estimates, as-built plan review, and attending corporate training and networking events

Additional Experience

- On-Campus Structural Dynamics Research, Bucknell University (Aug 2020-Present)
- Salesian High School (Class of 2020 Valedictorian)
- Boy Scouts of America (Eagle Scout and Adult Leader)
- 4+ years lifeguard experience (Brae Burn Country Club, Purchase, NY)
- Manhattan College Engineering Awareness Program (2019)
- Georgetown Summer Medical Academy Program (2018)
- Envision Summer Engineering Leadership Program at Olin College of Engineering (2017)

Jessica Licciardone

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EDUCATION

Bucknell University, Pennsylvania, USA Expected Dec 2025
B.S. in Civil Engineering & Bachelor of Management for Engineers. GPA: 3.42
Involvement: Society of Women Engineers, American Society of Civil Engineers, Chi Omega Fraternity

Loudoun Valley High School Graduated June 2021
High School Diploma Weighted GPA: 4.3
Honors: Science National Honors Society, National Honors Society, Journalism Honor Society, Mu Alpha Theta.

LEADERSHIP

Sister Support Team Fall 2023-Current
A small leadership team in my sorority that works with the new class of women. I am a mentor to a group that meets once a week to check in on their time at Bucknell as a whole.

Co-Founder and President of the Science National Honors Society Spring 2020- Spring 2021
Organized educational science seminars with local elementary school classes to teach students several science experiments.

Photo editor for Yearbook Fall 2019-Spring 2021
Responsible for ensuring all school events had assigned photographers while balancing individual schedules and contributions to the yearbook.
Responsible for organizing all photos and layouts for the yearbook
Responsible for editing final photos for the yearbook.

WORK EXPERIENCE

Intern- Grunley Construction Summer 2023
15020 Shady Grove Rd, Rockville, MD 20850
At Grunley, I was a project engineer intern, working primarily in the Project Management discipline of construction. I oversaw Requests For Information (RFIs), proposal submittals, and task punch lists. I assisted in invoicing and scheduling. In this job, I also did a lot of managing subcontractors with change order questions, punch list items, and scheduling their days to work.

Deans Office Assistance Fall 2022- Current Day
1 Dent Drive, Lewisburg PA 17837
I help promote different events held by the Engineering Department at Bucknell University. I make sure all the offices in the Engineering department are stocked and organized.

Babysitting Summer 2019
629 Wintergreen Dr, Purcellville, VA
Responsible for watching a two-year-old and a four-year-old multiple times a week. Prepared lunch and watched the boys so the mother could attend her pregnancy checkups as well as run errands.

SKILLS

Working knowledge of AutoCAD and Fusion 360
Working knowledge of Procore
Working knowledge of Microsoft Office products (Excel, Word).
Newly introduced to MATLAB, Smath and Microsoft Project
Beginning working knowledge of P6

COMMUNITY INVOLVEMENT

Loudoun Valley Community Center - Turkey Trot (5K) 2017-2021
Volunteered to support the local fundraiser to provide families in need of money scholarships for their children to attend preschool. Responsibilities included helping to direct automotive traffic and guide runners on the course. Responsibilities also included passing out bib numbers and tee shirts.

Loudoun Valley Community Center – Teacher Assistant 2017-2021
Created crafts and signs for the graduating preschool students. Helped cut papers, copy assignments, and move and hang educational decorations in classrooms.
Took each student's individual photos as well as class photos.
Took staff photos for their formal Identification Badges.

REFERENCES

Keith Ransome, Superintendent
Grunley Construction
Rockville, Maryland 20850
Phone 240-375-8739

Liz Clark, Academic Support Specialist
Bucknell University Engineering Dean's office
Bucknell University Lewisburg, Pennsylvania
Phone 570-577-3705

Avery Williams, Project Manager
Grunley Construction
Rockville, Maryland 20850
Phone 240-319-0993

Carnegie Mellon University

TEAM:

Cost Crunch Crew

PRITESH ANJIKAR

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ACADEMICS

Carnegie Mellon University, Pittsburgh, PA

August 2023 - December 2024

Master of Science in Architecture-Engineering and Construction Management

Acquire knowledge in the technical aspects of project management, including project scheduling and estimating using tools such as Project Libre, RSMean, and MS Project. Develop an understanding of working relationships among project stakeholders and participants, along with insights into the intricacies of the United States real estate market, including its functioning, bylaws, and tax system.

Coursework: Real Estate Development, Project Planning, BIM for Eng, Construct, Infra. & Facility Management, Estimation, Value-Based Design.

National Institute of Technology, Raipur

May 2021

Bachelor of Architecture (Graduated with Honours)

GPA: 8.39/10

WORK EXPERIENCE

FREELANCING PROJECTS, Nagpur, India

Principal Architect

July 2021 - June 2023

- Provided comprehensive architectural and construction services, including complete drawings and expert consultancy, for a wide range of commercial, residential, and industrial projects, as well as township development.
- Developed an extensive portfolio of projects comprising detailed words related to construction, interiors, MEP, structure, estimation, and execution of the projects, showcasing a track record of delivering comprehensive architectural and construction services.
- It gave me a significant opportunity to gain invaluable insights and hands-on experience in the practical workings of the construction industry, prioritizing an enhancement of my understanding of its operations.
- Adopted office management abilities, professional communication skills, software, understanding-implementation of construction bylaws, and legal construction documentation process.

ANAGRAM Studios, Nagpur, India

Jr. Architect

July 2021 - June 2023

- Produced thorough working drawings encompassing architectural, structural, electrical, and plumbing plans. Conducted precise cost estimations for materials, labor, and project expenses.
- Carried out project execution by conducting site visits for quality control, auditing material selection, overseeing construction progress, executing regular client meetings and site updates, addressing concerns, and ensuring alignment with the project timeline.
- Learn project scheduling skills, cost-regulating project alterations, resolving site contingencies, and dealing with clients.

RHA PRAXIS INITIATIVE, Raipur, India

Architectural Intern

August 2020 - June 2021

- Prepared explicit interior drawings for the projects including electrical layout, plumbing layout, false ceiling, air conditioning layout, flooring layout, lighting details, and customized furniture details along with material and labor cost calculation.
- Played a major role in maintaining project files and records, communicating with site executives, fulfilling follow-ups, scheduling periodic principal architect site visits, compiling drawings, and managing client connections.

RELEVANT PROJECTS

Planning, Designing, and Execution of an Electronic Showroom - Freelancing Project

June 2019 - April 2023

- Led the project as a team leader, overseeing the planning, design, execution, and documentation of a 30,000 SF electronic appliances showroom. Provided comprehensive services in collaboration with a structural engineer and general contractor, successfully completing the project within designated schedule and estimated cost, overcoming certain site contingencies.

CAWP Estimating Competition – Constructors Association of Western Pennsylvania

November 2023 - February 2024

- Collaborated with a team of construction professionals to develop and present a competitive bid for a high-profile construction project, honing skills in cost estimation, teamwork, and problem-solving.

CERTIFICATES and MEMBERSHIPS

- **COUNCIL OF ARCHITECTURE**- Licensed Architect. Nagpur, India
- **Autodesk** - Revit Architecture & AutoCAD
- **ASCE (American Society of Civil Engineers)**- Student Member Pittsburgh, PA
- **CMAA (Construction Management Association of America)**- Student Member, CMIT Pittsburgh, PA
- **OSHA 30**

WORKSHOPS, CONFERENCES & RECOGNITION

- Held a workshop discussing Energy Conservation, hosted by C.G State Renewable Energy Development Agency (CRED), 2017.
- Held a workshop on HVAC Systems and Fire Safety facilitated by **Indian Society of Heating, Ventilation, and Air Conditioning (ISHRAE)**, 2017.
- Chaired the jury presentation for 'Design of Gateway of Seven Sisters of India at Chicken Neck' submitted as part of Zonal Nasa Convention.
- Gave a presentation and organized a report on 'Intelligent Façade System of Al Bahar, Abu Dhabi' at NIT Raipur, 2018.

TECHNICAL SKILLS

Microsoft Word, Microsoft PowerPoint, Revit, AutoCAD, Google Sketchup, Photoshop, V-Ray, Bluebeam, Microsoft Project, Microsoft Excel, Project Libre, Project management, Strategic planning, Organizational, Communication, and Time Management Skills.

Jui Arora

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EDUCATION

Carnegie Mellon University – Pittsburgh, PA Aug 2023-Dec 2024

M.S. Architecture-Engineering-Construction Management

Relevant courses: Project management, BIM for Eng., Finance for Innovation Management, Project Planning and Scheduling, Construction Estimating, Real Estate Development, Infrastructure Management, Protean Systems, Transdisciplinary Thinking.

Indus University- Ahmedabad, India Aug 2015-Dec 2020

Bachelor of Architecture

PROFESSIONAL EXPERIENCE

Groundwork Architecture- Ahmedabad, India Jun 2021-Nov 2022

Architect - Projects: Jio Institute, Refurbishment of Letragraphix, Maher Homes V, Dholakia Residence, Abode Boulevard

- Coordinated MEP & site construction teams of 50+ personnel to execute a \$9M Institutional project for Reliance group
- Monitored daily construction progress on site, ensured quality control standards, & maintained task completion records
- Successfully served as Architect Project Manager, validating structural drawings & overseeing concrete works to ensure construction activities adhered to established drawings, schedules, & quality standards
- Utilized ArchiCAD to create comprehensive 3D models and drawings, streamlining the design process & achieving a 20% increase in design submittal efficiency, resulting in faster project timelines of 2 weeks on average

Tendril Concepts- Ahmedabad, India Feb 2021-May 2021

Architectural Researcher - Case studies: TCS by Mario Botta, Jeevan Bharati by Charles Correa, IHC by JA Stein

- Researched the contextual approach of modern commercial buildings in India
- Drafted essays, created 3D-rendered models, & illustrated analytical drawings for each building, enabling visualization of structures with intricate details and accurate proportions
- Compiled data on Adobe InDesign, & created an illustrative report with over 50 pages for the client's use

M/s Prabhakar B Bhagwat- Ahmedabad, India Jun 2018-Dec 2018

Architecture Intern- Projects: Clariant, Kensvill, Belmondo, Luxutia, Thol weekend retreat villa

- Prepared working drawings for an 88-acre landscape project, including contour mapping, & finishes; ensuring consistency with architecture, structure, & civil drawings
- Provided leadership & supervised subcontractor teams & 15+ site workers for landscape & MEP on-site services
- Spearheaded the concept design, site analysis, presentation, & meeting minutes for client meetings of Thol Villa

PROJECTS AND COMPETITION

Clean Indoor Air – US General Services Administration Aug 2023-Dec 2024

Research Assistant- Centre of Building Performance and Diagnostic | Guide: Vivian Loftness

- Ongoing research on KPIs for Facility Investment to accelerate O&M in the federal buildings for IAQ & health

Senior Housing – New Real Estate Development Model Aug 2023-Nov 2023

Project- Real Estate Development | Guide: Valentina Vavasis

- Led comprehensive analysis of national & international senior housing development data, uncovering key trends and drivers contributing to affordability and safety concerns for this typology
- Evaluating potential solutions for affordable development focusing on feasibility, and resident well-being

Planning Charrette- Understanding Urban Sanitation Challenges by NIUA Mar 2019

Competition- Air Quality Improvement for Urban Sanitation: Rank 4

- Presented data visualization on air pollution as an urban issue & proposed city-level measures for the problems
- Designed a board game for children to help spread AQI awareness & exhibited at CEPT University

Fiber Concrete Workshop May 2019-Jun 2019

- Explored fiber concrete as a material in construction & design, learning how to mix, cast, & test samples

SKILLS & AWARDS

Software: AutoCAD 2D, Revit, ArchiCAD, MS Projects, Bluebeam, Navisworks, RS Means, Primavera P6, Microsoft Office, Adobe Creative Cloud, SketchUp, Rhino

Awards: MYSY government scholarship to cover 50% of undergraduate tuition and student housing fee
Carnegie Mellon University merit-based graduate scholarship

Natasha Susan Fernandez

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Council of Architecture (COA) India, License No.: **COA/2022/142055**

Education

Carnegie Mellon University | Pittsburgh, Pennsylvania

Aug '23 – Dec '24

M.S. (Master of Science) Architecture-Engineering-Construction Management | Graduate Merit Scholarship

Relevant Coursework: Construction Project Management; BIM; Construction Finance – Estimating & Economics; Construction Methods & Equipment; Real Estate Development; GIS; Project Planning & Reporting; Value Based Design

Competitions: - Urban Land Institute (ULI) Hines Student Competition

Jan '24

- Constructors Association of Western Pennsylvania (CAWP) Estimating Competition

Feb '24

Manipal School of Architecture and Planning | Manipal, Karnataka

Jul '15 – May '20

B. Arch. (Bachelor of Architecture)

Relevant Coursework: Project Management; Tall Buildings; Architectural Journalism; Dissertation & Thesis: Adaptive Reuse

Professional Experience

Abin Design Studio, Kolkata | Project Architect

Apr '22 – Jul '23

Project Typology: Residential, Hospitality, Commercial; Interior, Graphic & Product Design, Writing

- Re-designed and executed exterior & interior details of private villa, completing the project 4 months earlier than its 2-year schedule.
- Improved team's performance by 15% (measured by daily reporting of completed tasks) by conducting periodic checks, monthly performance reviews at site and monitoring pre-construction and post-construction quality compliance to established standards.
- Published articles on completed projects for various popular architecture, construction and design publications.

PR Design Group, Bangalore | Junior Architect & Interior Designer

Mar '21 – Apr '22

Project Typology: Residential, Commercial, Industrial; Interior Design

- Provided multiple design solutions, schemes and 3D views of interior and landscape details for client approval in two villa projects.
- Conducted comprehensive market study to address project cost constraints and propose high-end design solutions for a 35,000 sq. ft. hi-tech facility for a leading pharmaceutical company's HQ and Labs; construction management documents (RFI's and change orders)
- Supervised day-to-day construction and conducted project review meetings with various stakeholders to improve project efficiency.
- Prepared Bills of Quantities and Bill Checking reports to ensure design compliance, minimizing construction errors and client-contractor conflicts; construction detailed drawings and design presentations

Kabir Hira Architecture & Interior Design, Bangalore | Junior Architect

Jun '20 - Mar '21

Project Typology: Residential, Commercial

- Processed several design iterations, prepared scheme, and detailed drawings for government sanction of apartment buildings and commercial mixed-use developments to assess compliance with local building codes and improving project efficiency.
- Performed periodic inspection of site, coordinated design with site contractors and prepared project progress reports to ensure design and quality compliance, minimizing construction errors by 20%; producing Good for Construction (GFC) drawings

Alex Jacob Architects, Bangalore | Architectural Intern

Apr '19 – May '20

Project Typology: Residential, Commercial, Industrial; Interior & Product Design; Website design; Writing & Editing

- Worked on a controlled budget for a local business school to develop schemes aimed to renovate unutilized storage spaces into collaborative classrooms.
- Conducted periodic site meetings and coordinated with site team to efficiently deliver design-build contracts.
- Created and executed a visual rebranding plan to enhance social media and web presence of the 25+ year old firm; curated and edited material for a publication of the firm's work over the last 25 years.

Skills

Digital: BIM (Revit), Navisworks, Dynamo, Plex-Earth, ArcGIS Pro, RS Means, ProjectLibre, Computer-aided Facilities Management, Bluebeam, Python (in training), AutoCAD, SketchUp, Lumion, V-Ray, Twinmotion, Photoshop, Illustrator, InDesign, Figma, Miro, Microsoft Office Suite

Affiliations: Construction Management Association of America (CMAA), National Organization of Minority Architecture Students (NOMAS), Design for America (DFA), American Institute of Architects Student Chapter (AIAS), Architectural Crafts Collective (ArchCC), The Writing Academy (TWA), Engineers Without Borders (EWB), Society of Women Engineers (SWE)

Extracurricular Activities: Graduate Student Advocate, Public Speaking, Social Volunteering, Writing,

Courses & Workshops

Fundamentals of Project Planning and Management (University of Virginia); BIM Fundamentals & BIM Applications for Engineers (National Taiwan University); Steel Systems and Structure; Kinetic Architecture; Communicating & Curating in Architecture; Structure and Construction with Reinforced Cement Concrete; Sustainable Building Materials; Design, Health & Well-being of Buildings

POOJA RAVIKUMAR

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SUMMARY

Determined and driven Construction Management student with 2.5 years of hands-on experience as an architect. Proficient in architectural design, construction management, budget control, and effective team leadership. Seeking internship opportunities for Summer 2024 to leverage my architectural expertise and project management skills in contributing to sustainable building projects.

EDUCATION

CARNEGIE MELLON UNIVERSITY

Master of Science in Architecture, Engineering, Construction Management [QPA – 4.07/4]

Pittsburgh, PA

Aug 23 - Dec 24

Graduate Teaching Assistant: Constructing Value(s): Economies of Design

Activities: Estimating Competition – Construction Association of Western Pennsylvania (CAWP)

Relevant Coursework: Project Management for Engineering and Construction, Graduate Real Estate Development, Transdisciplinary Thinking, Project Planning and Reporting, Infrastructure Management, Construction Estimating, BIM for Construction and Facility Management, Future of Real Estate.

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

Bachelor of Architecture [Distinction, CGPA -8.04/10]

Calicut, India

June 16 - June 21

Relevant Coursework: Building Materials, Architectural Acoustics, Building Construction, Building Climatology and Solar Architecture, Estimation Costing and Valuation, Urban Design, Interior Design, Energy Sustainability and Site Planning, Construction Management

EXPERIENCE

SCHOOL OF ARCHITECTURE, CARNEGIE MELLON UNIVERSITY

Graduate Research Assistant

Pittsburgh, PA

Sept 23 – Present

- Studies and research on sustainability; Circular Economy methods and principles.
- Estimating Material Reuse Potential of Condemned Properties via 3D Scanning and BIM.
- Developing point cloud models using LiDAR scan to generate BIM models on Revit and extract quantities of materials with the potential to be reused.

WEWORK INDIA

Senior Associate Architect

Bangalore, India

Mar 23 – July 23

- Served as project architect for design and execution of WeWork's largest India office spanning 1.8L sqft in Bangalore; liaised with onsite crew and consultants to actualize smooth project completion.
- Onboarded and mentored 5 interns and associates on design software, team workflows, and coordination.
- Assigned design tasks to 5 interns for initial project stages and verified deliverables before submission.

Associate Architect

Mar 22 – Mar 23

- Collaborated with the product team in the design ideation and development of Co-working office spaces across 6 cities in the country.
- Led the design and spatial planning of office spaces for floor areas ranging from 15000 sqft to 70000 sqft.
- Leveraged Autodesk Revit and AutoCAD for design and BIM 360 and ACC Build to collaborate with teams from different verticals involved in the projects.
- Generated design presentations, construction documentation and conducted site supervision in collaboration with the Projects Team.

Architectural Intern

Aug 21 – Mar 22

- Developed test fits for initial office space design stages with the Real Estate and Sourcing team.
- Quantified optimal space planning through zoning studies and site surveys to conceptualize efficient co-working office layouts.
- Implemented detailed CAD drawings for flawless on-site execution per approved designs.

VISTAAR ARCHITECTS AND PLANNERS

Architectural Intern

Navi Mumbai, India

Jan 22 – Jun 22

- Coordinated architectural design projects involving residential developments, high-rise apartment buildings, and community facilities.
- Executed design development and conceptualization, working drawings, and presentation drawings for various projects.

SKILLS

Software: Autodesk Revit, AutoCAD, MS Office Suite, PlanGrid, BIM 360 & ACC, Airtable, MS Projects, SketchUp, Enscape, Adobe Photoshop, Adobe Illustrator, Bluebeam, Lumion, Cloud Compare, V-Ray, RS Means, Primavera P6, Smartsheet, Procore, Recap, Solibri.

Course Certifications: Procore Student Certified, Revit Architecture - CADD Center, Navi Mumbai, Foundations of Project Management - Google, Coursera

An Architect with 1-year professional experience, currently upgrading my knowledge that aligns with the requirements of dynamic AEC industry to equip myself with technical and management skills to deal with large scale projects effectively as a Construction Manager. Aiming to consistently deliver projects on schedule within budget through meticulous planning and seamless collaboration.

EDUCATION

Carnegie Mellon University | Pittsburgh, PA, United States August 2023 - December 2024
MS in Architecture-Engineering-Construction Management - MSAECM (4.0 GPA) (Merit Scholarship: \$7,500)

> Coursework: Project Management for Construction, Transdisciplinary Thinking (Project delivery and scheduling), Real Estate Development (Finance), Value Based design, Project Planning and Reporting, BIM for Engineering Construction & Facility Management, Negotiation, Cost Estimation, Civil Systems Investment and Planning, AECM Synthesis, Data Management for Infrastructure Systems.

BMS College of Architecture | Bengaluru, KA, India August 2017 - July 2022
Bachelor of Architecture (8.19/10.0 CGPA) – Professional Degree

> Coursework: Architectural Design, Materials and Methods in Building Construction, Building Structures, Building Services, Specification Quantity and Costing of Buildings, Site Surveying and Analysis, Computer Applications and Design courses.

SKILLS

> Software: Revit (BIM), Navisworks, Bluebeam, Procore (Certified), Primavera P6, Plan Grid, ArcGIS. Microsoft: Project, Excel, Power BI, AutoCAD, Rhinoceros + Grasshopper, SketchUp, Adobe Suite.

> Leadership, Project Planning and Management, Interpersonal Communication, Decision making and Negotiation, Analytical Thinking and Problem Solving. Languages: English, Hindi, Kannada.

> Certification: CMIT (Construction Manager-in-Training), Procore-Student Certification, Smart Cities (Infrastructure Management).

EXPERIENCE

ASSISTANT

Carnegie Mellon University | Pittsburgh, PA, United States November 2023 – Current

> Research Assistant: Open Buildings - Development of a tool to discover an open building approach with capacity analysis to transform and repurpose office buildings to adapt for the future conversion to residential use and vice versa. It is also focused on circular retail economy integrated for reuse potential of Construction materials based on technical, economic, and environmental parameters.

FREELANCE ARCHITECT

Rishab Designers | Hubballi, KA, India April 2023 – July 2023

> Involved in the design and construction of a residential house and coordinated with the structural consultant.
> Produced GFC drawings and regularly supervised the site during the construction of house foundation till lintel level.
> Designed small scale factory based on the client requirements and equipment manufacturer for the production.

JUNIOR ARCHITECT

Thinkspace Architects | Hubballi, KA, India January 2023 – April 2023

> Engaged in a variety of residential and commercial building projects, spanning work across different phases.
> Developed 3D BIM models, Facade design, interior design, client presentations and construction drawings.
> Duties also included responding to RFI's, review submittals and issue the GFC drawings on schedule.
> Actively conducted on-site inspections during construction, overseeing progress and reporting it to the supervisor.

ARCHITECTURAL INTERN

DSP Design Associates Pvt. Ltd. | Bengaluru, KA, India – Professional Training February 2022 – June 2022

> Involved in several large-scale construction projects encompassing both commercial and residential buildings.
> Contributed to the development of design, construction drawings, visualization, and client presentations.
> Conducted frequent site visits of the projects under construction and coordinated well with project team.

PROJECTS AND COMPETITIONS

> ULI Hines Real Estate Competition, 2024: Played an active interdisciplinary management role across team on urban development proposal in the city of Seattle from strategic design input based on the supply and demand to major contribution on Proforma, Construction Estimation and Infrastructure allocation with effective planning and scheduling the development. January 2024

> Participation: International Summer School, University of Twente, The Netherlands- Smart Cities Certificate (2 ECTS) August 2022

Penn State University Harrisburg

TEAM:

PSPEC



(717) 320-4706



Brosius.scott6@gmail.com



171 West Imperial Dr.
Aspers PA, 17304

SKILLS

Organization and Time Management
Problem Solving and Analysis
Self-Motivated
MicroStation
Microsoft Office

GPA

Cumulative GPA- 3.29

AWARDS / ACTIVITIES

Penn State Professional Engineers and
Contractors Vice President
National Honors Society
PSU Capital Honors Program (Freshman-
Sophomore)
PSU Track and Field (Freshman to Junior)

EXPERIENCE

Structural Engineering Intern

Stantec/ Mechanicsburg PA/

May 2022 to Present

- Drafted bridge preliminary and final plans
- Completed quantity calculations
- Design culvert reinforcement plans

Laborer

Horstcraft Millworks/ Richfield PA/

Summer and Christmas Breaks of 2020,21

- Organized wood inventory
- Operated two different wood gluing machines
- Assisted fixing and maintaining the machines

Job Shadow

CDM Smith/ Harrisburg PA/ March 2019

Job shadowed several employees at CDM Smith.

- Job shadowed my uncle, Dustin Hammarberg, a CADD Designer
- Job Shadowed Caleb Stevens, an Environmental Engineer
- Job Shadowed Jacob Fenby, a Structural Engineer

Laborer

Mark Book/ Part Royal PA/ Summer of 2018, 19, 20

Replaced pool liners, removed pool covers, fixed pool filters, and general landscaping for a retired pool company owner.

- Loaded and unloaded tools and supplies to repair pools
- Repaired pool filtration systems
- Used an assortment of power tools

EDUCATION

Structural Design and Construction Engineering Technology-
2024- Construction Management

Penn State Harrisburg

Matthew Frederick

(717) 465-8029

mbf5132@psu.edu

Returning college student with professional experience in restaurant industry as salaried manager in two restaurant corporations, as well as experience in administrative employment gained by working in an accountant's office. Currently a junior pursuing a Construction Management Degree from Penn State Harrisburg and working as a Field Adjuster for Priority Adjusters. OSHA 30-hour Construction Safety and Health completed in 2023 and will be graduating in May of 2025.

Experience

Priority Adjusters:

Lancaster, PA

Reference Contact: Jeffrey Schronce (215) 882-1065

Mar. 2023-Present

Field Inspector responsible for claims adjusting. Duties include field inspection, repair estimating using Xactimate, and claims/narrative reporting. Constant communication with insurance carriers and the insured parties. Highly individualized work.

Angelike M Doulis; Accountant:

Perry Hall, MD

Reference Contact: Angelike M Doulis (443) 632-5237

Aug. 2019-Feb. 2020

Assistant responsible for data entry, invoicing, account reconciliation, client communication, appointment scheduling, excel spreadsheet work, and general office management.

Kildares Irish Pub/Dave Magrogan Group:

State College, PA and Philadelphia, PA

Reference Contact: Kevin Chestnut-Corporate Manager (610) 453-1767

Jul. 2013-Aug. 2016

Hired as assistant kitchen manager responsible for closing procedures in State College. Promoted to an assistant general manager in Philadelphia. Responsibilities included ordering for both the kitchen and the front of house, as well as staffing, scheduling, invoicing, weekly and annually budgeting; was also authorized to sign checks.

Tyler G. Gigliotti

tylergigs5@yahoo.com

35 Southgate Rd, Bradford, PA 16710

(814) 598-7614

OBJECTIVE

- An entry level Civil Engineering position in the construction industry using my experience and general leadership skills to begin my career.

EDUCATION

The Pennsylvania State University – Harrisburg, PA

Expected 05/24

- Bachelor of Science in Structural Design and Construction Engineering Technology
- Cumulative GPA: **3.62**

FIELD AND PROJECT EXPERIENCE

Civil Engineering Intern, E&M Engineers and Surveyors P.C., Bradford PA

05/23 – 08/23

- Completion of designs/calculations consistent with the experience and knowledge base of the intern under direct oversight and instruction of a Professional Engineer.
- Preparation of various permit applications required for projects.
- Provide construction field inspection services.
- Assist survey crew with analysis of field data and construction stakeout.
- Drafting with AutoCAD and other engineering programs and software.

Safety Intern, American Refining Group, Bradford, PA

05/22 – 08/22

- Maintains the MSDSOnline site by adding and updating new SDS's (Safety Data Sheets) to the site and to their appropriate locations.
- Conducts employee air monitoring as part of ARG's industrial hygiene program.
- Inspects fire extinguishers, 4-gas meters, and other field safety equipment.
- Performs field safety audits in accordance with established criteria.

Greenskeeper, Pine Acres Country Club, Bradford, PA

03/21 – 08/21

- Maintained golf course by mowing, trimming, top dressing, treating turf, maintenance of bunkers, hole changing, hedge trimming and general maintenance.
- Ensured a pleasant visit for each guest; maintained effective guest relations.
- Performed special projects delegated by management.

CERTIFICATIONS AND SKILLS

- AutoCAD
- RISA
- Proficient in Microsoft Office products

ACADEMIC PROJECTS

Presque Isle Waste Removal Project, Pennsylvania State University, Erie, PA

08/20 – 12/20

- Interviewed potential customer about the details of the current processes.
- Cooperated as a group of 3 to schedule a timetable for tasks to be completed.
- Presented findings to colleagues to receive feedback about the drafted plan and design.
- Developed a cost effective, efficient, and aesthetically pleasing product to be used at Presque Isle

VOLUNTEER ACTIVITIES

Bradford Legion Baseball Coach

05/21 – 08/22

- Assisted head coach in making decisions about lineup, position changes, practice schedule, and practice planning.

GABRIEL GONZALEZ

Allentown , PA 18102

ggonzalez0813@gmail.com
484-951-3028

Structural Design/Construction Engineer

* Upcoming graduate of Struc Des/Cons Eng Technology bachelor's degree in the engineering program. Backed by experience and knowledge of engineering theories, principles, specifications, and standards.

Education & Credentials

The Pennsylvania State University, Harrisburg, PA (Structural Design /Construction Engineering)	GPA: 3.5	Aug 2022 (present)
Leigh Carbon Community College (Associate of Engineering)	GPA: 3.5	Aug 2020 - June 2022
William Allen High School	GPA: 3.8	Sep 2013 - June 2016

Volunteer Work:

Lehigh Carbon Community College Physics Lab (Fall 2021)

- Helped the Professor clean the lab
- Helped organize lab for students

Lehigh Carbon Community College Library (Summer 2021)

- Helped students in main desk
- Helped students with computer work (Word, Excel)

Extracurricular Activities:

Estimating Competition (Spring 2023)

Work Experience:

Target (April 2018 – June 2020)

- Cashier (cash management, credit/debit card)
- Customers in Electronic Department

Best Buy (Aug 2016 – Dec 2017)

- Customers in Electronics (computer) Department
- Answered phone calls to help customers with their questions related to computers.

UGI Utilities (summer 2023)

- Performed HVAC machinery installations (Indoor furnace , Outdoor unit , Mini splits systems)
- Set up duct work for residency houses

Licenses/Permits:

Osha 30hours construction (permit received 2023)

CALEB HAZLER

858 Hickory Rd,
Walnutport Pa, 18088
cjhazler@gmail.com
484-705-4204

PROFESSIONAL SUMMARY

Skilled Laborer with experience providing excellent service as part of licensed construction team. Familiar with safety regulations and occupational hazards. Safely operates equipment and remains focused on task completion.

SKILLS

- Equipment Maintenance
- Protective Gear
- Safety Behaviors Expertise
- Remodels and New Construction
- Hand Tool Operations
- Concrete Pouring/Finishing

EXPERIENCE

CONSTRUCTION LABORER

Earthtones Outdoors | 4116 Wood Dr, Walnutport, Pa 18088

FEB 2021 - PRESENT

- Utilized hammers, saws, squares, levels, and fastening devices to complete projects.
- Worked independently in fast-paced environment while meeting productivity and quality expectations.
- Transported materials and tools from trucks and storage facilities to work site locations and organized for expected needs.
- Followed blueprints and diagrams to complete projects according to specifications.
- Dug trenches and set up forms to specified requirements for concrete pours.
- Used variety of hand and power tools to complete projects.

LAB ASSISTANT

Penn State Harrisburg | 777 W Harrisburg Pike, Middletown, Pa 17057

SEP 2023 - PRESENT

- Assisted with support duties such as filling products, labeling products, testing samples, and taking inventory.
- Managed specimen sample handling, receiving, storage and inventory.
- Maintained lab by cleaning surfaces and items used.

EDUCATION

STRUCTURAL DESIGN AND CONSTRUCTION ENGINEERING TECHNOLOGY B.S.

EXPECTED COMPLETION DEC 2025

Penn State Harrisburg | 777, W Harrisburg Pike, Middletown, Pa 17057

- Dean's List Spring 2023

OSHA 30-hour Safety Training Course

- Obtained 30-hour safety certification through Penn State University

HIGH SCHOOL DIPLOMA

COMPLETED JUN 2022

Bethlehem Christian School | 3100 Hecktown Rd, Bethlehem, Pa 18020

- 15 dual enrollment credits through Liberty University

VOLUNTEER

Calvary Baptist Church – Technology Team

Bethlehem Christian – Technology Team and Scoreboard

Fellowship Community – Resident Activities

Nicholas Trott

NCT5126@PSU.EDU ♦ (717) 779-9486 ♦ Lancaster, PA ♦ [Linkedin.com/in/nicholas-trott-10a9522b3](https://www.linkedin.com/in/nicholas-trott-10a9522b3)

EDUCATION

University of Penn State Harrisburg – Middletown PA, 2022-Current

B.S. in Structural Design and Construction Engineering Technology

- Specializing in Construction Management
- Played on the Baseball Team in 2022

Lancaster Catholic High School – Lancaster PA, 2019-2022

High School Diploma

- On Varsity Baseball team 2020-2022

WORK EXPERIENCE

Sales Worker, 06/2022 – 08/2023

Keystone Fireworks – Lancaster PA

- Assisted customers around the store and described the functions of different fireworks to meet their needs.
- Helped unload trucks and distribute heavy fireworks off of giant pallets and into their organized pile where they were stocked in the back.
- Stocked shelves.
- Worked a cash register.

Game Changer Reporter, 06/2022 – 09/2023

Perfect Game – In The Net, Palmyra, PA

- Sat behind the backstop reporting the game play-by-play on an ipad.
- Made sure the umpire had enough baseballs at all times.

Volunteer Work, 06/2020 to 05/2022

Keystone baseball/softball facility – Manheim PA

- Completely cleaned up the outside of the facility twice a year.
- Cut the grass, trimmed the trees, cleaned up all the trash.

SKILLS, & INTERESTS

Hard Skills:

Building Buildings/Foundations/Roads/Bridges, Supports for Any Type of Building; Project Management; Construction Management; Blueprint/Site Plan Reading; Hand-eye Coordination; OSHA Knowledge ; Email; Computer Proficiency; Microsoft Skills; Google Suite; Building Presentations; Driver's License; Knowledge of Detailed Job Logs; Schedule Building; Knowledge of Current Job Costs; Knowledge of Final Punch Lists; RFI Capability

Soft Skills:

Communications; Management; Leadership and Teamwork; Adaptability; Dependability; Active Listening; Troubleshooting; Organization and Planning; Multi-Tasking; Attention to Detail; Working with Diverse Communities; Follows Directions; Punctuality; Conflict De-escalation; Responsible and SelfAware

Interests:

Powerlifting; Baseball; Golf; Football; Walking my Dogs; Family; Church

Penn State University
University Park

TEAM:

Blue Collar Budgeters

TOBEY FIELD

610-737-3401 | tobeyfield@gmail.com

EDUCATION

The Pennsylvania State University – Schreyer’s Honors College

Bachelor of Science - Civil Engineering

GPA: 3.94

University Park, PA
Anticipated May 2024

Passed the Fundamentals of Engineering (FE Civil) Exam

August 2023

EMPLOYMENT/INTERNSHIPS

CDR Maguire Engineering, *Engineering Intern*

Winter 2023

- Completed MicroStation & Open Roads software training.
- Updated special provision templates using PennDOT’s ECMS.

Pennoni Associates Inc., *Engineering Technician*

Summer 2023

- Utilized Ericsson software to design precast concrete panels, embeds, and beams.
- Evaluated wooden beams and trusses using Ram Elements and Woodworks Sizer.
- Referenced AISC, IBC, PCI, and ASCE-7 manuals to complete design calculations.
- Created 15 remedial procedures for contractors to use during construction.

Pennsylvania Department of Transportation, *Engineering Intern*

Summer 2021 & 2022

- Designed \$25,000 vertical wall retrofit plans using MicroStation.
- Exposed to the overall construction and design process of bridge projects.
- Surveyed and recorded status of roadway infrastructure using ArcGIS.

Penn State Undergraduate Research Program, *Engineering Researcher*

Summer 2021 & 2022

- Developed a program in MATLAB that determines reactions and stresses on a beam.
- Maintained strong communication between the project team and faculty advisors.
- Studied the effects of various external snow loads applied to structures.

Penn State Lehigh Valley, *Peer Mentor for Calculus I & II*

2021 - 2022

- Lead 40 students in completing projects and resolving course related issues.
- Supported students who were struggling or not engaged in class.

APPLICABLE CAMPUS EXPERIENCE

Engineers Without Borders, *Team Leader*

2022 - Present

- Planning and designing a water transportation system to provide - the residents of Namutumba, Uganda a reliable source of clean water.

Surveying Club, *Member*

2022 - Present

- Applying fieldwork, Civil 3D, and ArcGIS knowledge to create topographic maps.

Experiential Digital Global Engagement, *Team Leader*

Spring 2022

- Collaborated with students from Tunisia and Palestine to design a product - aligned with the U.N. Sustainability Development Goals.

CAMPUS INVOLVEMENT

Chi Epsilon, Civil Engineering Honor Society, *Marshal*

2023 - Present

Tau Beta Pi, Engineering Honor Society, *Member*

2023 - Present

American Society of Civil Engineers Penn State Student Chapter, *Member*

2022 - Present

Penn State Lehigh Valley Honors Club, *President*

2021 - 2022

Penn State Lehigh Valley, *Most Dedicated Student of The Year*

2021 - 2022

Matt Geib

mtthwgeib@gmail.com | (717) 917-7797

Education

The Pennsylvania State University
Bachelor of Science in Civil Engineering

Anticipated Graduation: May 2026
GPA: 3.6/4.00

Skills

- Class A CDL driver
- Proficient in mechanical technology, maintenance, & repair (Automotive & Ag)
- Proficient in constuction takeoffs using Earthworks Excavation Software & Bluebeam
- Proficient in construction drawing interpretation and application

Experience

Allan Myers, Inc. | Stevens, PA

May 2023-Present

Assistant Field Engineer Internship

- Assist with the planning and completion of municipal road programs
- Perform quantity takeoffs for project planning and logistics
- Work with trade partners for material acquisition and subcontracted work
- Work with field supervision teams on project scope and logistics
- Work with project inspectors for project completion
- Worked on PennDOT road and site projects

Landis Excavating, LLC | Ephrata, PA

January 2022-Present

CDL A Tri-Axle Dump Truck Driver, Preventative Maintenance Mechanic & Takeoff Technician

- Work in active construction sites:
 - New construction
 - Demolition
 - Road construction & paving
 - Heavy Equipment Transportation
- Various site work labor and equipment operation
- Equipment maintenance & repair
- Excavation Takeoff Technician-Earthworks Excavation Software
- OSHA 10 hour certified
 - Assist in the creation of new company Safety manual
 - Manage DOT compliant safety equipment in all company vehicles

Landis Landscaping, Inc. | Ephrata, PA

May 2020-January2022

Landscape/Hardscape/E&S Crew Member

- Worked on the completion of landscaping projects:
 - Hardscape retaining walls & patios
 - Final grade & hydroseed/erosion matting of newly constructed homes
 - Irrigation and drainage install

Involvement at Penn State

- American Society of Civil Engineers (2022-Present) (Social Events chair 2023-2024)
- Concrete Canoe Team (2022-2023) (1st place team at 2023 symposium)
- Surveying Club (2022-Present) (1st place team at 2023 Regionals & Attended + Placed at 2023 Nationals) (Team Captain 2023-Present)
- CAWP-Estimating Competition (1st place team in 2023 Competition)
- Steel Bridge Team (2023-Present)

Eagle Scout (2019)-BSA Troop 142 (2015-Present)

GERALD L. GREER

412-916-5224 · glee greer@gmail.com · 6236 Fifth Ave · Pittsburgh, PA 15232

I am currently set to start employment at Dewberry, July 2024. I had to submit this resume for registration.
Career goal: A transportation engineer/urban planner with a PE and a MBA, I have passed my FE.

Education:

Pennsylvania State University, State College, PA

Civil Engineering Bachelors

(Graduation May 2024)

- Current GPA: 3.73, Dean's list 7/7
 - Clubs joined: Surveying Club
 - Professional Clubs: Chi Epsilon (Vice President), ASCE Student Chapter, ITE
-

Previous Work Experience:

H.W.Lochner

Student Intern, Pittsburgh, PA

(May-Oct 2023)

- Creating & editing Traffic Control Plans & Roadway Plans in OpenRoads and Microstation
- Cost estimation and justification tasks associated with projects
- Coordinated with utilities contractors

Pennsylvania Department of Transportation

Engineering Scientific Technical Intern, Bridgeville, PA (District 11)

(May-Aug 2022)

- Selected for the Highway Safety & Traffic Operations section, the Bureau of Operations
- Started & finished several intern-team projects
- Designed & field checked traffic work zones for lead engineers

Pennsylvania State University

Student Grading Assistant, Harrisburg, PA

(Feb-May 2022)

- Graded & gave feedback on physics lab reports, class quizzes, and homework

Giant Eagle Supermarket

Deli Clerk/Assistant, Pittsburgh, PA

(May-Aug 2021)

- Direct customer interface, food preparation and display

European Organization for Nuclear Research

CERN Student Intern, Geneva, Switzerland

(Jun 2019)

- Trained on 3D printers, autoclaves and milling machines
 - Applied CATIA V5 software to design, model & analyze a basic compression engine
-

Skills:

Microsoft Suite, OpenROAD, Microstation, AutoCAD (Working proficiency)

Matlab, R, Synchro, SimTraffic (Basic proficiency)

Language: English (Native) French (Working) German & Korean (Elementary)

Other interests: PC building, College football, Dj-ing, Language learning

MATTHEW E. GRIFFITHS

(724) 996-5353 • matthewegriffiths@gmail.com • 190 Poplar Rd. Karns City, PA

EDUCATION

The Pennsylvania State University..... *Graduation: December 2024*
Major: Bachelor of Science, Civil Engineering *GPA: 3.68/4.00*

RELEVANT COURSEWORK

- Construction Engineering Capstone
- Construction Cost Estimating
- Construction Scheduling

COMPUTER SKILLS

- HCSS HeavyBid & HeavyJob
- AutoCAD/Civil 3D
- Bluebeam Software

WORK EXPERIENCE

Civil Engineering Intern.....*March 2022 – Present*
Francis J. Palo Incorporated, Clarion, PA

- Contact vendors & subcontractors daily. Work with project managers to complete project estimates, schedules, and quotations. Order materials for jobs and assist field surveyors. Use Microsoft Office Suite, HCSS Applications, and Bluebeam Software daily.

Diamond Turning Engineering Student..... *June 2019 – August 2021*
Coherent (II-VI Incorporated), Saxonburg, PA

- Provided production assistance & managed product orders from start to finish. Conducted quality control inspections while providing verbal & written reports. Carefully operated precise measurement equipment. Learned basic machine operation and safety.

LEADERSHIP & INVOLVMENT

- **Penn State Steel Bridge Team**..... *August 2023 – Present*
Executive Board Member, Fundraising
- **CAWP Student Estimating Competition**..... *January 2023 – Present*
Team Captain of 2023 1st Place Team
- **American Society of Civil Engineers**..... *October 2022 – Present*
Executive Board Member, Career Fair Coordinator
- **St. Paul's Community Church**..... *Jan. 2020 – Jan. 2023*
Worship Committee and Church Deacon

AWARDS & CERTIFICATION

- ASCE Samuel Tapman Scholarship
- PAPA Gary Hoffman Scholarship
- OSHA-10 Training
- CPR/AED Certification

References gladly provided upon request.

JACOB NIBERT

jacobnibert@gmail.com / 724-599-2662 / Homer City, PA 15748

EDUCATION

The Pennsylvania State University

Bachelor of Science, Civil Engineering, expected graduation May 2024 [GPA: 3.61]

WORK EXPERIENCE

Pennsylvania Department of Transportation

Winter 2023 - Present

Commonwealth Public Service Intern

Indiana, PA

- Review SEPS reports and boring logs within Geotech to check for completeness and accuracy before being sent.
- Given the role of Inspector-In-Charge to aid in a \$791,000 culvert project.
- Utilize and interpret project plans and specifications to effectively inspect and document work completed.
- Often worked extra hours in various elements to complete inspection.
- Assisted in Bridge Design unit computing preliminary estimates for culverts and bridges.

Pennsylvania Department of Transportation

Summer 2021/Summer 2022

Engineering Scientific and Technical Intern

Indiana, PA

- Inspected and recorded data about drainage in Indiana County on roadways with maintenance with the STAMPP Program.
- Inspected and oversaw the operations of hired contractors on roadway work to ensure it was done correctly and safely.
- Created Excel spreadsheets and recorded data for cost estimation for future reference.
- Made payments used for estimates based on given data from contractors and actual field-measured results on site.
- Communicated and interacted daily with the public, contractors, and coworkers.

Young Township Supervisors

Summer 2020

Summer Help

Clarksburg, PA

- Cut grass, trimmed brush, and picked up trash weekly around approximately 30-acre park and lake for upkeep.
- Communicated with the public and helped take care of the needs of the RV camp users.
- Took care of the two pavilions, pressure washed, and painted to maintain the area for events held over the summer.

SOFTWARE SKILLS

- Microsoft Office
- AutoCAD and Civil 3D
- Surveying experience
- C++ Programming
- HCS+
- R statistical software
- SolidWorks
- Synchro

COLLEGE ACTIVITIES

- PSU Altoona for Animal Welfare Club member: (2021-2022 School Year)
- American Society of Civil Engineers (2022-Present)
- PSU Bass Fishing Club member: (2022-2023 School Year)
- PSU Altoona Benefiting THON Club member (2021-2022 School Year)
- PSU Chi Epsilon (2023-Present)

Penn State University
University Park

TEAM:

You Can't CE Me

Daniel O. Boell

danboell01@gmail.com ♦ (267) 576-5211

Campus Address: 116 Edith St Apt 12, State College, PA 16803

Permanent Address: 4778 Stump Road, Pipersville, PA 18947

OBJECTIVE: To obtain a full-time position in the field of construction management

EDUCATION: **Bachelor of Science in Civil Engineering**
The Pennsylvania State University, State College, PA
Anticipated Graduation: May 2025
GPA: 3.68 Deans list 4 semesters

Relevant Courses:
ENG 408, Math 251, EMECH 213, ENG 100 design, CE 332, and ENG 97

WORK EXPERIENCE: Intern
Whiting-Turner, Greater Philadelphia office Summer 2022 & Summer 2023

- Performed in a management role. Conducting quality control inspections, acting as safety personal.
- Project management – reviewing payroll and drafting RFIs.
- Acted as a member of a bid team, creating scopes of work, and communicating with Sub-contractors.
- Created and compiled preconstruction plans (safety, emergency action & quality control)
- Attended owner meetings and help compiled final GMP

Work Crew Team Member
John DUBYK Contractors, Inc. Furlong, PA Summers 2019-2021

- Performed general concrete labor in a variety of fast paced and high pressure projects. Constructing pool decks and other stamped concrete patios and foundations.
- Supply and resource management- procured and sourced various materials
- Acted as a team leader on multiple projects leading a crew of multinational construction laborers

SOFTWARE: SolidWorks, AutoCAD, Revit, and Microsoft Office

LEADERSHIP & INVOLVEMENT: Counselor, Camp Spifida (In-person & Virtual) 2018 – 2024

- Co-lead a cabin of 10 counselors & 8 Campers

PSU Newman Club Thon Chair 2022

- organized club events and raising \$14,000

PSU Engineers without Borders 2021-2023

American Society of Civil Engineers 2022-2024

PSU University Park, Fresh Start (Students Taking an Active Role Today) 2021

Skills: Hardworking, High Energy, Strategic Thinker, Problem Solver, and Strong

Interests: Rugby, Classic car restoration, DIY projects, Hiking, Fishing, and Hunting

References Upon Request

Adam L. Bonawitz

alb7007@psu.edu
(717)919-9234

Campus Address

202C Garban Hall, White Course Apts.
State College, PA 18601

Permanent Address

8047 Manada View Drive
Harrisburg, PA 17112

EDUCATION

Pennsylvania State University: Civil Engineering

The Pennsylvania State University, University Park, PA

Anticipated Graduation: May 2025

Relevant Courses

Fluid Mechanics	Strength of Materials
Dynamics	Design of Concrete Structures
Structural Analysis	Materials Science
Highway Engineering	Surveying

Lower Dauphin High School

Graduated: June 2021

GPA: 3.56/4.00

Magna Cum Laude

Weighted GPA: 99.4/100

WORK EXPERIENCE

Gannett Fleming

PA Roadway Project Management Intern

Learned about project scheduling and design process through TWG meetings, including trips to job sites to learn about environmental impacts, soil bearings, and the limitations of individual jobsites.

Worked alongside others in creating an interactive dashboard for the Major Bridge Initiative.

Created macros to automate the organization of ECMS data.

Developed plan reading skills and did internal Right-of-Way data and support for PennDOT.

Adam L. Bonawitz

alb7007@psu.edu
(717)919-9234

SOFTWARE

Demonstrated effective use of Excel, Word, and PowerPoint.
Limited coding knowledge in Basic, Visual Basic, and Python.
Experience with AutoDesk, AutoCAD, and SolidWorks.

LEADERSHIP & INVOLVEMENT

Penn State

Symposium Chair

Coordinated the Sign-Up and payment for the 2024 ASCE Symposium.
Organized competitive team sign-ups, travel, lodging, and reimbursement.
Designed and distributed merchandise for competition.

Other Clubs and Involvement

Cost Estimating Competition Team
Steel Bridge Club
Surveying Club
Club Golf Executive Member

Other

Nic-Nac Charities

Worked alongside a team of volunteers to distribute allocated funds to the underprivileged in the Allentown and Emmaus area, allowing them greater access to personal technology and business opportunities.

American Miners Inc.

Along with a friend, created a For-Profit LLC, licensed in Wyoming where we managed an investment pool that saw over \$1,000,000 in trade volume.

References Available Upon Request

ALEX KRIST

243 Cornwall Drive Pittsburgh, PA 15238 • askrist14@gmail.com • (412) 952-9582

CAREER OBJECTIVE

I am a highly motivated engineering student with the desire to obtain a professional opportunity in a Civil Engineering Internship. I enjoy collaborating with others and I have great communication skills.

EDUCATION

Fox Chapel Area High School, Pittsburgh, PA
Cumulative GPA 3.94 Cumulative Weighted GPA 4.14

Graduation Date: June 2022

Penn State University, State College, PA
Cumulative GPA 3.82

Expected Graduation Date: May 2026

WORK EXPERIENCE

Allegheny County, Pittsburgh, PA
Engineering Intern

May 2023 - July 2023

- Supported the department's Bridge, Road, and Construction Divisions
- Attended progress meetings and observed county projects in various stages

Slezak Enterprises, LLC, Pittsburgh, PA
Tennis Assistant Coach

April 2021 - June 2023

- Assist children ages 4-15 learn tennis, setup, and cleanup of courts for different camps

VOLUNTEER EXPERIENCE

Greater Pittsburgh Community Food Bank, Pittsburgh, PA

September 2020 - Current

- Inspect, sort, and repackage food boxes
- Distribute food boxes to neighbors in need at drive-up distribution locations

The Education Partnership, Pittsburgh, PA

September 2020 & September 2021

- Prepared supply boxes with requested items
- Took inventory of supplies

CLUBS

- American Society of Civil Engineers
- Penn State University Park Steel Bridge Team
- Student Construction Estimating Club

Fall 2022 - Current
Fall 2022 - Current
November 2023 - Current

ACTIVITIES

- Fox Chapel Area High School JV Tennis Player

Spring 2020 and Spring 2021

HONORS AND AWARDS

- National Honor Society
- Penn State College of Engineering Dean's List

Fall 2020 - Spring 2022
Fall 2022, Spring 2023 & Fall 2023

Katlyn Rivera

1490 Swamp Bridge Road Stevens, PA 17578 * Cell: (717) 471-6831* krr5476@psu.edu

Education

Pennsylvania State University- State College, PA

Expected Graduation: May 2025

Civil Engineering

Relevant Courses

Engineering Design: 1, Computer Science: MATLAB, Statics, Dynamics, Strength and Materials, Calculus 1-3, Technical communication, and Differential Equations.

Skills

Proficient in Microsoft Office, Solid works, MATLAB, adobe spark, HEC-RAS

Work History

Civil Engineer Intern: *ARRO Consulting Inc.*- Lititz, Pa (May 2023-August 2023)- Worked closely with different project managers, worked on different submittal packages for organizations like Lancaster Planning Commission and Lancaster Conservation District, research and preformed different field work for projects, and looking at plans to created review letters for suggestions of changes to a project.

Crew Member: *Meg's Quilted Memories*- Exeter, Pa (May 2022 – May 2023)- Sewed Quilt tops, communicated with customers to create a final product, and problem solved to get a product that the customer wanted.

Resident Advisor: *Engineering Ahead Summer Program*- Penn State Berks University, Pa (June 26, 2022- July 22, 2022) – Helped the kids with their work for the program, became a mentor to them, and gave advice for their upcoming first college semester.

Shift Manager: *Auntie Annes*- Ephrata, PA (June 2019 – August 2022)- Train new employees, count money and safe in the morning or evening shifts, compile deposits, and supervise other employees.

Achievements

Engineering Ahead Scholarship (2020)- a 5-week summer program that helped with the transition from high school to college

Volunteer

Youth Volunteer Corp (YVC) (2022)- Canstructure, volunteering at the Helping Harvest (food bank), and tech girls.

Nolde Forest- Helped the park ranger clear the area and put in supports for a deck over wildflower field (July 10th, 2021). Create a design to for a ramp for ramp worked on last year (July 9th, 2022).

Extra-Curricular

Society of Women Engineers (August 2022-Present)- Planning and participating in Engineering related activities and networking with professional engineers and other spokes people.

References available upon request.

Jonathan Smith

Great Meadows, New Jersey

jfs6692@psu.edu

(908) 319-2067

Summary

A student at Penn State University currently studying civil engineering. Has an experienced background in construction that includes CAD site modeling ranging from site work to roadways, heavy equipment operation, and the use of Trimble GPS. Has surveying experience and knowledge of high precision survey equipment. Also a licensed drone pilot and has a successful drone business that specializes in the construction and real estate development industries.

Experience

HyperAir Aerial Solutions

Owner • Great Meadows, New Jersey

04/2019 - Present

Started a successful drone business tailored towards construction and real estate companies.

Allan Myers

Field Engineer Intern • West Chester, PA

05/2023 - 08/2023

Worked in survey for the heavy highway department. Was responsible for making CAD models in Trimble Business Center and layout in the field. Layout included but not limited to, utilities, curb, and grades. In charge of drainage modeling and most layout on \$223 million highway expansion project.

Allan Myers

Assistant Field Engineer Intern • Worcester, Pennsylvania

05/2022 - 09/2022

Worked in survey for the heavy highway department. Was responsible for making CAD models in Trimble Business Center and layout in the field. Layout included but not limited to, utilities, curb, and grades. Also used various survey equipment such as a total station to gather data. Aided subcontractors on large jobs, and was self sufficient. Gained experience with CAD modeling, surveying, plan reading, and the use of Trimble GPS equipment.

Harrington Contractors

Field Support • Chester, New Jersey

06/2021 - 09/2021

Flew drones to collect topography data and processed information through Propellr database for use in Trimble Business Center (TBC). Also helped run Trimble GPS equipment and create models in TBC. Helped to solidify drone use across the company.

Education

Pennsylvania State University

Masters of Engineering - Civil Engineering • State College, Pennsylvania

05/2025

Earned Engineering Report Writing Certification, ASCE national and student membership, Active member of survey competition team, Discussion panelist regarding student preparedness

Skills

Part 107 Certification, Blueprint Reading, Trimble Business Center, Bluebeam, Trimble GPS, Heavy Equipment Operation, Drone Pilot, Construction Experience, Survey, AutoCAD, Survey Design, OSHA 10 Certification

ANGELOSPERANDIO

angelosperandio0407@gmail.com | 914-327-0271

EDUCATION

BS, Civil Engineering, Minor Business Administration

Pennsylvania State University, University Park PA

- Relevant coursework: Engineering and Design, Engineering Mechanics, Capstone Engineering

LICENSESANDCERTIFICATIONS

- 10-hour OSHA
- FE- pending

PROFESSIONALEXPERIENCE

Sperandio Properties and Management, New Rochelle, NY

Property Manager and General Contractor April 2005- Present

- Facilitate management of rental properties.
- Track current projects materials and employees.
- Responsible for payroll and finances.
- Complete full demolition of apartments for renovation.
- Plan and install new electrical systems when needed.
- Rough-in of new plumbing and responsible removal of pipes and excess materials.
- Frame and restructure old walls to bring them to new code and strength requirements.
- Operate heavy machinery for foundation digging, drywell installation, and grading.
- Responsible for roof repairs and management of site.

L&M Development, NYC, NY

Field Engineer and Project Management Intern May 2023- Present

- Worked beside project super and employees of all trades.
- Developed project plans with architects, outlining milestones aligning with company objectives and requirements.
- Completed submittals and RFIs.
- Tracked appliance count and assisted in ordering appliances for project.
- Attended extensive MEP meetings for slab penetrations and building logistics.
- Maintained communication and updates on project through weekly team meetings.

- Worked alongside safety team ensuring proper safety protocols.
- Identified and resolved complex challenges within project.
- Building management of completed projects.

FSI Architecture, NYC, NY

Engineering Intern and Assistant April 2021- June 2021

- Shadowed structural, civil, and mechanical engineers in the office and in the field.
- Engaged in team meetings to discuss projects and to determine next steps for completion.
- Utilized Autocad software to create and alter current and new projects for completion.
- Participated in field work with architects and engineers working on facades of old and new construction.
- Worked with the Landmark Team to renovate facades while abiding by Landmark's code.
- Learned about current building codes for NYC for old and new construction.
- Supported Mechanical Engineering team to use HVAC plans to troubleshoot issues with airflow and humidity.

SKILLS AND PROFICIENCIES

- Microsoft office suites (Word, Excel, Powerpoint, Outlook), Autocad, Solidworks, Matlab, ArcGIS, Bluebeam

REFERENCES AVAILABLE UPON REQUEST

University of Pittsburgh

TEAM:

Benedum Builders

FARRAH ALKANAAN

CIVIL ENGINEERING STUDENT

CONTACT

412-707-2493

FKA9@pitt.edu

SKILLS

- Communication
- Leadership
- Excel
- Bluebeam
- AutoCAD
- Revit
- Navisworks
- Twinmotion
- Conflict Resolution
- Collaboration

EDUCATION

University of Pittsburgh Swanson School of Engineering

Bachelor of Science
Civil Engineering

August 2020 - December 2024

LANGUAGES

English: Native
Arabic: Proficient

ACHIEVEMENTS

Associated General Contractors at Pitt (AGC)

Appointed President
August 2023

Society of Women Engineers Certificate of Merit

May 2020

Bob Ross Award: Artist Recognition

June 2020

ABOUT ME

A fourth-year civil engineering student and President of Associated General Contractors of America (AGC) at the University of Pittsburgh.

An avid learner interested in construction management and quality control looking for engineering opportunities domestically and globally. Seeking educational experiences to strengthen knowledge on infrastructure, especially regarding safety, sustainability, and 3D modeling.

WORK EXPERIENCE

Engineering Mentor

University of Pittsburgh January 2023 - Present

- Guiding engineering students through weekly ACE meetings, mentor meetings, and study sessions
- Collaboration with Director and other mentors on retention materials including study skills, time management workshops, and best practices
- Public speaking and building relationships with ACE students
- Grading material and creating study plans

Construction Estimating Intern

S&B Construction May 2023 - August 2023

- Reading and quantifying drawings on Bluebeam and developing takeoff in Excel
- Creating and running a Navisworks (BIM) workshop for team of engineers and supervisors
- Introduction to Heavybid (HCSS)
- Analyzing and interpreting geotechnical reports
- Active site visits

Policy Analyst

Al Yamamah Hospital, Riyadh, Saudi Arabia June 2019 - August 2019

- Data collection in Excel
- Risk management in the Infection Control Department
- Hospital policy revisions
- Bilingual communication between staff

COURSE PROJECT

BIM Model of Fallingwater | Civil 3D Modeling Fall 2023

- Created an accurate Building Information Model of Fallingwater by Frank Lloyd Wright using AutoCAD, Revit, and Twinmotion using plans from the year 1933
- Developed a functioning Virtual Reality Model of Fallingwater with accurate topography, materials, and measurements

Fernanda Morales-Viveros

FEM30@pitt.edu | (484)-378-2538 | linkedin.com/in/fernandamv | Pittsburgh, PA | New York City, NY

EDUCATION

University of Pittsburgh: Pittsburgh, PA

Expected Graduation: Spring 2025

Major: Civil Engineering

GPA: 3.07/4.00

Concentration: Construction Management | **Certificate:** Sustainability

SKILLS

Relevant Coursework: Materials of Construction, Construction Management, Construction Cost Engineering

Programming & Languages: AutoCAD, Civil 3D, Revit, Arc GIS, SAP2000 v.24, Procore, 3D Lift Plan, Hydro CAD, HY-8, MATLAB, C++, Spanish (Fluent)

PDF & Data Analytics: PDF X-Changer, Revu Bluebeam, Microsoft Excel

Certifications: OSHA 30

WORK EXPERIENCE

American Bridge Company: Co-op Program

Engineering Rotation: Pittsburgh, PA

Aug 2023-Dec 2023

- Created contract drawing takeoffs, technical design calculations, crane counterweight spreadsheets, transferring drawings into SAP2000, and AutoCAD revision updates for ongoing projects.

Estimating Rotation: Pittsburgh, PA

Aug 2022-Dec 2022

- Conducted concrete and steel takeoff based on bridge contract drawings, outlined pre-bid items in a scope sheet, and analyzed and created AutoCAD designs for 10 bids.
- Facilitated initial inspections of bridge panels for the Queensboro Project in shop.

Field Rotation: New York City, NY

May 2022-Aug 2022

- Performed daily tasks and created/submitted submittals, RFIs, and permits on the Ed Koch Queensboro Bridge Rehabilitation project as a field engineer.
- Spearheaded stage 1 geometry control, led inspections essential to lane opening, confirmed dimensions and drawing revisions, and aided in torque testing.

Herbert, Rowland & Grubic, Incorporated: Internship Program

Civil Group Intern, Civil Group Part Time: Pittsburgh, PA

May 2023-Aug 2023, Jan 2024-Present

- Submitted multiple Federal and State grants, DEP Permits, and Wetland Delineation reports.
- Aided the wetland team on their fieldwork by tracking GPS points, pebble counts, and soil test pits.
- Designed Civil3D construction drawings for local road, sidewalk, and culvert installations/repairs.

University of Pittsburgh

Engineering Ambassador: Pittsburgh, PA

Jan 2022-Present

- Guiding tours through the Swanson School of Engineering and providing resources for prospective students.
- Presenting relevant application and program specific information.

Summer Engineering Academy Mentor: Pittsburgh, PA

Aug 2023

- Mentored incoming students and their leaders at an extensive two-week program for underrepresented minorities in engineering.

LEADERSHIP

Society of Professional Hispanic Engineers: Academic Student Chapter

Sept 2020- Present

President (Current), Internal Vice President ('22/'23), Business Manager ('21/'22), Freshman Chair ('20/'21)

Club Cheer: Competitive Club Cheerleading Squad

Jan 2021-Present

President (Current), Vice President ('22/'23), Social Chair ('21/'22)

Associated General Contractors Student Chapter: Estimating Competition Club

Dec 2022-Present

Vice President (Current), Estimating Team Competitor ('23)

Phi Sigma Rho: National STEM Social Sorority

Sept 2021-Present

Asst. Vice President of Recruitment (Current), Vice President of New Member Education (F23), Vice President of Finance ('22/'23)

Pitt D.I.V.A.: Women/Nonbinary Engineers of Color Organization

Sept 2022-Present

Chair Member ('22/'23)

Pitt Excel: Underrepresented Minorities in Engineering Organization

July 2020-Present

Education

University of Pittsburgh | Swanson School of Engineering

Aug. 2020 – Apr. 2024

- B.S. in Civil Engineering – Major | Construction Management – Concentration | 3.903 – Cumulative GPA
- SSOE Term Honors & Dean's Honor List – Fall '20, '21, '23; Spring '21 – '23

Work Experience

Co-op Student | HRI, Inc. | State College, PA

May 2023 – Aug. 2023

Construction/Project Management

- Supported a PM and PE on three PennDOT heavy/highway construction projects and two private earthwork and road improvement jobs, both off and onsite. Contracts totaled nearly \$35M.
 - Analyzed/managed project costs, crew productions, material quantities, and schedules utilizing software, construction plans, and takeoffs.
- Composed a best practice that navigates the intricacies of incorporating accurate, real-time cost data into weekly project cost analyses through the software tool, TrueUp.

Co-op Student | The Albert M. Higley Co. | Pittsburgh, PA

May 2022 – Jan. 2023

Construction/Project Management & Estimating

- Supported a PM and Superintendent onsite on the Pins Mechanical – Pgh building renovation. (~\$7M, 6 mo.)
 - Documented progress and coordinated work among eighteen subcontractors and other entities.
 - Managed furniture delivery for this 30,000 sq. ft. facility and helped redesign an aesthetic element.
- Assisted estimating team in bidding fourteen projects, soliciting quotes, and performing takeoffs.

Awards and Achievements

- FE Civil Exam Passed – '23
- CAP/MBA Scholarship Award – '22
- ASCE Pgh Section American Bridge Leadership Award – '22
- ASCE Pgh Section Achievement Award – '21
- Football Team MVP and Academic Award – '19
- Central PA – NFF & College HoF Scholarship Award – '20

Skills and Proficiencies

- Oral/Written Communication | Leadership | Time Management | Organization | Attention to Detail
- Construction Law & Safety | Construction Drawings & Specs | Scheduling | Meeting Minutes | Takeoffs
- Bluebeam REVU | HeavyBid/HeavyJob | Microsoft Programs | AutoCAD/Civil3D | Coding

Course Project

CMU Health, Wellness, & Athletic Center | Construction Management

Spring 2023

- Acting as the CM firm, developed a cost estimate, project schedule, risk management plan, and health and safety plan from construction documents for the \$105M, 3-yr project.

Extracurriculars

Educational

- ASCE Pitt Chapter – 4 yr: '22-'23 Secretary | Steel Bridge Comp. – 2 yr | Surveying Comp. – 1 yr
- AGC Pitt Chapter – 3 yr: CAWP Estimating Comp. – 2 yr

Athletic & Service

- Club Ultimate Frisbee – 3 yr | Intramural Sports – 2 yr
- Project Gifts for Elk County – 3 yr | Clarion River Clean-Up – 4 yr | Sacred Heart Parish (Bingo, Dinner) – 1 yr
- Sheridan Ave Orchard Restoration '23 | CAWP CLC Toy Drive '23
- Falk Laboratory School (Instruction on Civil Engineering) '24

EDUCATION

University of Pittsburgh

Civil Engineering

Expected Graduation: Fall 2024

PROFESSIONAL EXPERIENCE

Independence Excavating | January 2022 – August 2023

Co-op, Project Management

- Coordinated work and deliveries with subcontractors and suppliers
- Drafted and submitted RFI's
- Reviewed and delivered submittals
- Performed takeoffs for estimating and jobsite orders
- Organized, measured, and tracked material quantities
- Delivered weekly safety messages
- Participated in daily foremen meetings

Suburban Dry Cleaners | Spring 2019 – Summer 2021

Clerk

- Improved interpersonal skills by communicating with customers
- Organized invoices and orders

ORGANIZATIONS

University of Pittsburgh Club Golf Team | Spring 2021 – Present

President, Spring 2023 – Present

- Scheduled regional tournaments and events
- Organized over \$7,000 in fundraising and tripled allocations budget
- Established relationships with several brand sponsors

Global Water Brigade | Fall 2021 – Spring 2022

American Society of Civil Engineers | Fall 2021 – Present

Associated General Contractors of America | Spring 2023 – Present

- CAWP Estimating Competition Participant, February 2023

Business Manager, Fall 2023 - Present

VOLUNTEER EXPERIENCE

The First Tee of Pittsburgh | September 2022 - Present

Coach

- Taught life skills and self-confidence through the game of golf
- Developed leadership skills by fronting group activities

United States Golf Association | August 2021

Scorekeeper, Standard Bearer

Justin D. Winslow

justinwinslow@pitt.edu • (724) 979-5720 • Pittsburgh, PA 15213

LinkedIn:



Education

Bachelor of Science: Civil Engineering, Concentration: Transportation Engineering **Expected April 2026**
University of Pittsburgh - Pittsburgh, PA
GPA: 3.05

Clubs: Pittsburgh Electric Propulsion, American Society of Civil Engineers, Society of Astronautics and Rocketry
Coursework: Statics, Physics 1-2, Calculus 1-3, Engineering Computing, Engineering Economic Analysis, GIS Methods

Skills

AutoCAD, MATLAB, C, ArcGIS Pro, Microsoft Excel, Soldering, Altium, iMovie Video Editing, DJI Drone Photography

Projects

Science and Sustainability Around 3D Printed Structures **2023**

- Worked with three other engineering students to research the benefits in cost and sustainability of additive manufacturing and 3D printed homes.
- Presented our research to professors and other engineering students through a detailed essay and a group presentation.

National Robotics Challenge **2018 & 2021**

- 1st Place finisher in plastic battle bots in my eighth-grade year.
- Built a semi-autonomous robot using Vex Robotics and C++ that navigated around outdoor obstacles.

Experience

Pittsburgh Electric Propulsion – Pittsburgh, PA **August 2022 – Present**
Member

- Collaborated with four engineering students to design a precharge/discharge circuit and PCB that prevented inrush current to a battery in the club's electric boat which eventually competed in the ASNE Small Craft Competition.
- Learned how to solder and desolder circuit boards.
- Introductory experience in Altium and basic schematic designs.
- Currently part of the club's autonomous boat team where we plan to use camera sensors, LiDAR, and Python/C++ coding languages.

Joy Cone Inc. – Hermitage, PA **May 2023 – Present**
Cone Packer

- Sorted and packed large quantities of cake cones while checking for faulty food products and an error in quantity.
- Packed hundreds of thousands of cones in a single shift and oversaw two industrial food ovens at any given time while checking for and fixing failures in machinery.
- Gained experience in basic industrial safety within production plants.

Winslow Engineering Inc. – Hermitage, PA **April 2022 – August 2022**
Drone Pilot

- Captured aerial photography of civil engineering job sites, which would then be analyzed by professional engineers for further analysis.
- Job sites included storm water retention ponds, parking lots, and industrial buildings.

Kraynak's Inc. – Hermitage, PA **December 2019 – May 2021**
Salesman

- Assisted customers in locating products in the store and informing them of prices.
- Recorded product inventory on the sales floor and in the warehouse.

JOSHUA ZIELINSKI

PROFESSIONAL SUMMARY

Currently attending The University of Pittsburgh and I look forward to earning a degree in Civil Engineering and a minor in Architectural Design at the Swanson School of Engineering.

EDUCATION

University of Pittsburgh, Pittsburgh, PA

Expected in 04/2026

Swanson School Of Engineering, Pittsburgh, PA

Bachelor of Engineering, Civil Engineering, Expected in 04/2026

- Minor in Architecture Design
- 3.01 GPA

Wilson High School, West Lawn, PA

High School Diploma, 06/2022

- Graduated summa cum laude
- Technology Student Association (TSA) President.
- Developed engineering skills during four years of engineering classes.

WORK HISTORY

CIVIL ENGINEERING INTERN 05/2023 to 08/2023

McCarthy Engineering Associates, Inc, Wyomissing, PA

Engineering and consulting Services

- Site design and layout in CADD
- Operated surveying equipment like GPS and Total Station
- Collaborated on project cost estimates
- Contact: Chris Falencki

CONSTRUCTION ASSISTANT 11/2021 to 08/2022

New Vision Builder, Sinking Spring, PA

Home remodeling and renovations

- Worked on door trim, window trim, flooring, kitchen cabinets, and bathroom renovations
- Operated building tools like table saws, chop saw, and nail gun
- Collaborated with others to complete projects
- Contact: Rosario Marchio - 484-256-0366

LANDSCAPING PROJECT ASSISTANT 06/2020 to 08/2021

Sal's Landscaping, Sinking Spring, PA

Landscaping company that specializes in maintenance and installations.

- Operated trimmers, leaf blowers, and other small machines
- Installed mulch and stones on residential properties
- Participated in project estimates
- Maintained detailed work schedule
- Contact: Carl Sottosanti - 484-256-2510

SKILLS

- CADD
- Surveying Equipment
- Excel
- MATLAB Programming
- Punctuality
- Problem Solving
- Time Management
- Microsoft Office
- Organization
- Teamwork

INTERESTS

- Engineering
- Sports
- Community Development
- Volunteering
- Investing
- Exercising

University of Pittsburgh

TEAM:
Pitt Team 2

Chase Bentley

Wayne, PA | cab441@pitt.edu | 484-983-7505 | linkedin.com/in/chase-bentley1

EDUCATION

University of Pittsburgh | *B.S. in Civil Engineering*

Pittsburgh, PA | *Expected 2026*

Cumulative GPA: 3.9

Radnor High School

Radnor, PA | *June 2022*

- The PTO Technology & Engineering Education Award
- National Merit Semifinalist

SKILLS

- Logistics
- Time Management
- Microsoft Office
- MATLAB
- Revit
- Problem Solving
- Teamwork
- Leadership

EXPERIENCE

Swim Coach – Conestoga Swim Club

June 2022 – August 2023

- Utilized effective communication techniques to motivate swimmers and foster a positive environment.
- Planned and conducted daily practices, focusing on technique, strength, and endurance building.
- Adapted lesson plans to accommodate a variety of learning styles.
- Facilitated the creation of the “Little Otters” developmental program.

Lifeguard – Conestoga Swim Club

June 2019 – August 2023

- Ensured the safety of patrons by monitoring activity in the pool area.
- Conducted opening and closing duties.
- Enforced safety policies and rules for guests to prevent accidents.

EXTRACURRICULAR ACTIVITIES

AGC Cost Estimation Competition

2023 – Present

- Practiced cost estimation for real world examples and construction scheduling

Club Swim at Pitt

2022 – Present

- Represented Pitt at Ohio State Nationals.

Radnor Men’s Swimming

2019 – 2022

- Provided leadership as the team captain for the 2021 – 2022 season.
- Four-time Cal Ripken Award Recipient.

Microsoft Registered Refurbishers (MRR)

2016 – 2022

- Repaired, refurbished, and recycled used laptops and other technology.
- Donated and delivered laptops, computers, and printers to schools in Philadelphia.
- Educated local community in technological literacy.

OBJECTIVE

Seeking a Co-op or Internship for the summer of 2024 in Transportation Engineering.

EDUCATION

University of Pittsburgh

BS, Civil Engineering

Graduation May 2026

Pittsburgh, PA

- Relevant Coursework: Economic Analysis, Statics, and Environmental Engineering.
- Organizations: Habitat for Humanity, American Society of Civil Engineers at Pitt, and Pitt Up and Up.
 - Skills: Excel, C, Matlab, data collecting, economic analysis, and logistics.
 - Interests: agriculture, football, hiking, and cooking.

RESEARCH AND WORK EXPERIENCE

Fairbanks Soil and Water Conservation District

Community Gardens Associate (AmeriCorps VISTA)

May 2023 – Aug. 2023

Fairbanks, AK

- Completely overhauled the community gardens in Fairbanks which resulted in over 100lbs of fruits and vegetables which went to the Fairbanks Food Bank.
- Led a presentation on insects for a children's summer camp.
- Collected data on both invasive species and native Chinook salmon for conservation research.
- Built and planted raised beds for the University of Alaska-Fairbanks Experimental Farm.
- Coordinated supplies for the annual Childrens Literary Farmers Market.

First Year Engineering Conference

Researcher and Presenter

Jan. 2023 – Apr. 2023

Pittsburgh, PA

- Direct a team of researchers to write a report on the use of recycling PET to manufacture sustainable polyurethane foam insulation.
- Present a report at 2023 First Year Engineering Conference through the Swanson School of Engineering.

OTHER WORK EXPERIENCE

City Realty Group

Office Intern

Jul. 2021 – Aug. 2021

Boston, MA

- Solved issues related to filing online and filing in cabinets, opening mail, calling the post office to sort out issues with certain properties, calling gas, water, and electric companies to turn on utilities for new properties.

VOLUNTEERISM

Habitat For Humanity

Fundraising Chair

Jan. 2023 – Present

Pittsburgh, PA

- Coordinate fundraising events by calling businesses to host events and/or sponsor them.
- Lead fundraising events at major events in the greater Pittsburgh area.
- Attend workdays completing home repairs for families below the poverty line in the greater Pittsburgh area.

Brookline Food Pantry

Volunteer

Jun. 2020 – Jun. 2022

Brookline, MA

- Sorted, organized, delivered, and picked up large orders when suppliers could not.

SAMUEL LANDER

Samlander1056@gmail.com | SAL269@pitt.edu | (410)-868-9216
7411 Merrimusic Cir, Severn, MD, 21144
Panther Hall, 3744 Sutherland Drive, Pittsburgh, PA, 15213

EDUCATION

University of Pittsburgh Swanson School of Engineering | Pittsburgh PA | Spring 2026
Expected Graduation | Planned Major in Civil Engineering | Planned Minor in
Industrial Engineering

St. John's College High School | Washington D.C. | Graduated June 2022

Coursework and Skills

- Problem Solving
- SolidWorks
- Economics Analysis, Engineering Management Courses
- Microsoft Word, PowerPoint, Excel
- Rapid Prototyping
- MATLAB, C and Python Experience

ACADEMIC PROJECTS AND EXPERIENCES

2022-2023

Design and Teamwork | Pittsburgh, PA

- Learned the process of designing, prototyping, iterative design, and project execution
- Gained relevant teamwork skills
- Pitt First Year Engineering Conference (FYEC) Paper and Group Presentation

WORK EXPERIENCE

2020-2022

Youth Leadership Team and Deacon | Annapolis, MD

- Led a group of energetic youth through church related events such as picnics, auctions, and services
- Experience in a leadership position and with talking to supervisors when necessary
- Gained experience working with people of all ages in various occupations

Summer 2023

Wawa Team Member | Baltimore, MD

- Experience in customer service and instant problem solving
- Developed strong communication skills
- Cash and credit handling experiences

KEY SKILLS AND CHARACTERISTICS

- Critical Thinking
- Handling Pressure
- Friendly and Outgoing
- Adaptability
- Problem Solving

ACTIVITIES AND INTERESTS

- Travel, Environmental Conservation, Hiking, Urban Exploration, and Biking
- Interest in gaming, coding, & digital design

William S. Jacobs

Blauvelt, NY 10913 • (845) 671-9466 • wij17@Pitt.edu

EDUCATION

Swanson School of Engineering, University of Pittsburgh | Pittsburgh, PA
B.S Civil Engineering

May 2026

Tappan Zee High School | Orangeburg, NY

September 2018 - June 2022

GPA: 3.9/4.0

PROFESSIONAL SUMMARY

Skilled multitasker with superior work ethic, good teamwork, problem-solving and organizational skills. Eager to learn any task to help team. Reliable and dedicated team player with hardworking and resourceful approach. Seeking a summer internship opportunity in New York City or Pittsburgh.

WORK EXPERIENCE

Camp Counselor

July 2020 - August 2023

Blue Rill, Spring Lake, Woodmont Day Camps | Airmont, NY | Ringwood, NJ | New City, NY

- Worked with children of varying age, interest, skill, and developmental levels
- Oversaw and taught campers basic principles to enhance wellbeing and safety measures
- Kept track of allergies and dietary restrictions, verifying correct meals and snacks were given to campers
- Collaborated with other camp counselors to design fun and enriching learning activities for campers
- Communicated with parents about campers' activities
- Reported concerns and suggestions to supervisor

Sales Associate

September 2020 - July 2022

Pet Place II | Nanuet, NY

- Informed customers of the responsibilities required for caring for various animals purchased
- Organized shelves to maintain store visual appeal, engage customers, and promote specific merchandise
- Helped customers locate products and checked store systems for merchandise
- Prepared merchandise for the sales floor by pricing or tagging
- Developed relationship with customers to enhance purchase experience and future sales

LEADERSHIP AND COMMUNITY INVOLVEMENT

Brother

March 2023 - Present

Alpha Epsilon Pie Fraternity | Pittsburgh, PA

- Involved in committee to plan philanthropic events and fundraisers for various charities including Repair the World Fund
- Immersed in the vibrant Jewish fraternity life, actively contributing to a tight-knit brotherhood

Member

September 2022 - April 2023

Sailbot Club | Pittsburgh, PA

- Conceptualized and designed aspects of autonomous sailboats for competitions
- Researched the most economical method to solve sailboat repairs
- Kept work areas clean, organized, and safe to promote efficiency and team safety.
- Contributed to team success by completing jobs quickly and accurately

Founder, President

January 2019 - June 2022

Aquaponics Club | Orangeburg, NY

- Founded educational club involving the sustainable growth of plants using by-products of fish fecal matter
- Planned meetings to facilitate club growth and participation
- Secured sufficient funds to cover club finances
- Managed club's budget and expenses to stay within our financial constraints

Member

September 2023 - Present

American Society of Civil Engineers | Pittsburgh, PA

- Active participant in the 3D printed bridge team
 - Involved in crucial bridge design decisions as well as construction of the bridge
 - Implemented CAD skills to create the bridge design to be printed

ACHIEVEMENTS AND SKILLS

Skills: MS Office Suite; experienced in CAD software; solidworks; C Programming language; MatLab;

Achievements: Louis G. Nappi Construction Industry Labor-Management Scholarship Recipient, Numerous High School and Public Service Awards and Recognition

Tyler Jacobson

215-520-5056 • jacobson Tyler14@gmail.com

EDUCATION

University of Pittsburgh, Pittsburgh, PA

December 2025

Civil Engineering

3.5 GPA

- Third-Year student in Swanson School of Engineering.
 - George B. Distler Memorial Scholarship recipient.
 - Completed engineering technology classes to apply Excel to develop price estimates, create helpful shortcuts.
 - Collaborated with other students in lab settings, delegating work and communicating with others.
-

RELEVANT EXPERIENCE

Independence Excavating, Cheswick, PA

August 2023 - Present

Co-op

- Assigned on site in Weirton, WV as a project engineer to oversee construction of a commercial factory.
 - Completed tasks expected of a project engineer, such as coordinating with other contractors, calling/scheduling with suppliers, and deliveries.
 - Adapting design-build project, reading plans change often, and communicating these changes to others.
 - Understand shop drawings, overseeing installation of electrical conduit, storm/sanitary sewer, gas and waterline to a building.
 - Built takeoffs and price estimates using Bluebeam and Excel for items not specifically priced beforehand.
 - Gained experience on how to maintain efficient production in spite of setbacks.
-

OTHER EXPERIENCE

Overbrook Golf Club, Villanova, Pennsylvania

Summer 2022

Green's Keeper

Overbrook Golf Club, Villanova, PA

Summer 2023

Server

COLLEGIATE ACTIVITIES

ASCE Steel Bridge Competition

September 2022 - March 2023

Team Member

- Assessed design constraints given by competition committee and worked with a team to design a bridge within these parameters, including minimum dimensions of members, and types of connections.
- Manufactured steel components of bridge using a variety of saws, drills and welding equipment.

CAWP Estimating Competition

October 2023 - Present

Team Captain

- Learned process contractors use to bid projects.
- Learned how to price bid items by building takeoffs, building a crew/set of equipment and designing a logical flow of progress with a schedule.

Otavio Wilkinson-Baldauf

ORW10@pitt.edu | 724-816-3968 | www.linkedin.com/in/otavio-wilkinson-baldauf

EDUCATION

University of Pittsburgh
B.S. Environmental Engineering | Sustainability Certificate

Expected December 2025
GPA 3.12

Relevant Coursework

- Construction Management • Computer Methods in Civil Engineering • Mechanics of Materials • Civil Engineering Statics • Intro to Environmental Engineering • Chemistry in Environmental Engineering

Projects

- Project Management Plan – University of Pittsburgh Recreation and Wellness Center Construction
 - Strengthened and applied construction management skills on a current construction project in collaboration with Mascaro Construction.
- Life Cycle Assessment of Urban Tomato Cultivation: Vertical Gardening Vs. Conventional Gardening
 - Aggregated and analyzed data in SimaPro to implement a sustainable urban garden design.

Involvement

- Estimating Team for Constructors Association of Western Pennsylvania Estimating Competition
 - Building expertise in estimating, project scheduling, and contract bidding based on a real bridge culvert construction project regulated by PennDOT.
 - Associated General Contractors of America University of Pittsburgh Chapter
 - Recreational Rock-Climbing Club
-

WORK EXPERIENCE

Venture Outdoors
Outdoor Educator

Pittsburgh, PA
June 2022 – present

- Designed geological and ecological lessons delivered to 700 youth across 30 schools' outdoor curricula.

Target
Inbound & Reverse Logistics Expert

Pittsburgh, PA
September 2018 – August 2021

LEADERSHIP AND COMMUNITY ENGAGEMENT

Engineers Without Borders
Bolivia Project Technical Operations

University of Pittsburgh
August 2023 – present

- Designed a latrine system operational guide, focusing on the utilization of waste for agricultural compost encompassing a network of 50 latrines in Carijana, Bolivia.
- Developed proficiency in applying engineering principles within a diverse cultural context, while resolving challenges posed by geographic variations.

Geology Club
Treasurer

University of Pittsburgh
August 2022 – present

Plant to Plate Urban Gardens
Gardener

University of Pittsburgh
August 2021 – September 2022

- Led construction of Community Human Services' Garden and expanded Community of Human Services and Pitt food pantry donation initiatives.
-

SKILLS

Autodesk CAD • ArcGIS Pro • Life cycle assessment • Microsoft Office Suite • Google Workspace

University of Pittsburgh Johnstown

TEAM:

UPJ Main

bmb159@pitt.edu

8142897571

Somerset, PA 15501

Skills

- Project Management
- Relationship Building
- Cost Management
- Software (Excel, HeavyBid, HeavyJob, Planswift, Bluebeam, P6)

Education And Training

Expected in 04/2024

Bachelor Of Science:

Civil Engineering

University Of Pittsburgh -

Johnstown

Johnstown, PA

Bradley M. Barndt

Summary

Detail-oriented Civil Engineering student with a solid math and physics background. Enthusiastic, dedicated, and quick learning student seeking employment after this current school year. Extensive hands-on experience in construction through multiple projects. The ability to impact projects through attention to detail and design. Currently a senior student. Useful experience in software such as Excel, MathCAD, Heavy bid, HeavyJob, Planswift, Bluebeam, P6.

Experience

HRI, Inc. - Project Engineer

State College, PA

01/2023 - Current

- Developed and maintained project schedules to ensure timely completion of projects.
- Monitored activities, including daily cost, work progress, and materials used
- Coordination with suppliers, subcontractors, and clients
- Developed quantity takeoffs from blueprints and drawings using computer-aided design systems or manual calculations.

Brayman Construction Corp - Foundation & Heavy Civil Intern

Saxonburg, PA

05/2022 - 08/2022

- Conducted site surveys and project layouts with horizontal laser level
- Developed and implemented tracking systems to monitor progress on projects.
- Assisted project managers with material and labor cost within the budget

Penndot - ESTI

Hollidaysburg, PA

05/2021 - 08/2021

- Received a great introduction to design, construction, and planning
- Performed construction inspection duties
- Verified that contractors adhered to approved plans and specifications during the course of work.

Accomplishments

- OSHA 10 hour training
- ACI Certified

Activities And Honors

- Steel Bridge Club - Fabrication Manager
- ASCE Member
- Estimating Club

KYLE R. BARTON

106 Rob Lane Port Royal, PA 17082 | (717) 348-4020 | KRB158@PITT.EDU

Education

University of Pittsburgh at Johnstown
B.S. Civil Engineering

Johnstown, PA
Graduation: Expected Dec 2024

Juniata High School

Mifflintown, PA
Graduated: May 2020

Work Experience

J.D. Eckman inc.

Atglen, PA

Bridge and Heavy highway laborer, ACI Field Testing

(May 2022 - Present)

- Setup and Maintained Road Closures for Major Highways.
- Major Historic Bridge Restorations and Expansions Such as the Penn Street bridge in Harrisburg and the Route 78 Bridge in Hamburg.
- Tested Concrete for Accelerated Roadway Repairs on Route 12 in Reading and Route 22 in Allentown.
- Bridge Overlays using Latex and Polyester Polymer Concrete.

Leadership

- *Concrete Canoe Captain ('22-'24)*
- *Steel Bridge Floor Manager ('22-'23)*
- *Steel Bridge Safety Manager ('23-'24)*
- *ASCE Vice-President ('23)*
- *AGC Vice President ('23-'24)*
- *CAWP Estimating Team ('23-'24)*



Certifications and Skills

Certifications

- ACI Field Tech 1 Certified
- MEWP Scissor Lift and Boom Lift Certified
- SEPTA Safety Certified

Skills

- AutoCAD
- Civil 3D
- Forklift/Backhoe/telehandler
- Jack hammer/grinder/hammer drill /various hand tools

NOAH J. BUCHAN

406 PASTURE LN. JOHNSTOWN, PA 15909 | (814)-270-7669 | BUCHAN.NOAH21@GMAIL.COM

Education

Robert Morris University
B.S. Criminal Justice- Cyber Forensics Minor

Moon, PA
Graduated: May 2021

- Dean's List Five Terms

University of Pittsburgh at Johnstown
B.S. Civil Engineering – Math Minor (completed)

Johnstown, PA
Graduation: Expected Dec 2024

Experience

Whiting-Turner C.C.

Baltimore, MD/Richmond, VA

Field Engineer Intern

(May 2023- August 2023)

- Coordinated with subcontractors regarding schedule requirements and timeline progress tracking to ensure quality and prompt completion of services for customer
- Monitored and tracked various quality and safety checklist across all scopes of the project
- Participated in coordination meetings and calls including, BIM Coordination, OAC, and others to aid in the progression of the project Across multiple scopes

MDX Detailing

Johnstown, PA

Sales and marketing specialist, Senior Window Film Technician

(May 2021- May 2023)

- Coordinated teams and scheduled processes to ensure prompt completion of services for customer
- Listened to clients to determine the services desired and recommend services
- Performed an average of 20 window tinting and 6 ceramic coatings for vehicles per week

A.C. Milller Pre-Cast Concrete Products

Blairsville, PA

Manufacturing/Engineering Assistant

(May 2019- August 2019)(September 2023- present)

- Reviewed plans for manufacturing process using construction drawings
- Aided in construction of pre-cast concrete forms, rebar reinforcement cages, box culverts, and wing-wall structures
- Performed onsite inspections and assessments of damages caused by post-tensioning and other installation methods under the guidance of a licensed PE

Leadership

Founder of the Drone Organization- University of Pittsburgh at Johnstown

- Designed program to get aspiring engineers and surveyors licensed in the use of aerial imaging
- Trains with 3 students in the use of DJI Mavic and Anafi Parrot drones and appropriate flight and imaging software
- Flies drones 4-5 times a month to hone skills and study topographic and arial imaging results

Leadership and Certification Summary

- UPJ ASCE Student Chapter Treasurer (23-24')
- UPJ AGC Student Chapter President (23-24')
- UPJ Drone Organization Founder (21' - Present)
- UPJ Concrete Canoe Construction Captain (23-24')
- UPJ CAWP Estimating Team (23-24')
- UPJ Pheasant Hunt coordinator (23-24')
- FAA Part107 Drone Pilots License (in progress)
- ACI Field Tech 1 Certification (Obtained Apr 23')

CARSON KAUFMAN

1968 Frankstown Rd Johnstown Pa 15902 · (h)814-410-2371, (c)814-619-6199

10carsonk13@gmail.com

Seeking internship position within an engineering firm.

EDUCATION

UNIVERSITY OF PITTSBURGH-JOHNSTOWN

Civil Engineering class of 2025

Presidential Scholarship

CAWP Estimating Competition 2023

Association of General Contractors Engineering Committee

PENNSYLVANIA HIGHLANDS COMMUNITY COLLEGE, CLASS OF 2021

Associates Degree in Liberal Arts

RICHLAND HIGH SCHOOL, CLASS OF 2021

High Honors

WORK EXPERIENCE

2023 HF Lenz Company

HF Lenz is a civil design firm

Responsibilities included aiding engineers with stormwater design calculations, designing parking lot layouts, experience with land development, utilizing Civil3D, infiltration testing, and documentation. Projects included site development for trucking depot, large government facilities, and school districts.

2022 Apex Companies LLC Field Internship

Apex is a civil and environmental engineering firm

Responsibilities included concrete and grout testing, soil collection and sampling, and documentation. Projects included coal refuse sites, generating stations, UPMC health facility and the Pittsburgh Zoo

2019-2021 Co-founder of Stem's Scapes Landscaping.

Stem's Scapes offers a wide variety of landscaping services including trimming, lawncare, power washing, etc.


CLUBS/ORGANIZATIONS/AWARDS


Thomas Crowley Scholarship
Phi Theta Kappa (Penn Highlands Honors Society)
National Honors Society
Students Against Destructive Decisions (SADD)
Richland High School Super 60
Challenge Program Award Recipient

VOLUNTEER WORK

- St Vincent De Paul soup Kitchen
- Server. Holiday seasons: 2013-2019

Logan G. Minich

6162 Rt 66 
Fairmount City PA, 16224

814-221-1242 

Lgm42@pitt.edu 

Education

Currently Enrolled, Graduating DEC 2024

Bachelor in Civil Engineering

University of Pittsburgh at Johnstown

GPA N/A

MAY 2022

Bachelor in Physics; Minor in Mathematics

Clarion University of Pennsylvania

GPA 2.738

JUNE 2018

High School Diploma

Redbank Valley High School, New Bethlehem, PA

GPA 3.613

National Honor Society

Captain, Varsity Football

Captain, Varsity Wrestling

Experience

MAY 2023 – August 2023

Summer Internship

Pennsylvania Department of Transportation / Armstrong
County (District 10 ESTI)

Engineering Intern, Inspector for 2023 Armstrong Mill and Fill, 2023 Armstrong Seal Coat, and 2023 Armstrong Secondary Mill and Fill

MAY 2018 – August 2022

Summer Internship

Pennsylvania Department of Transportation / Clarion County (District 10-30 Bridge Crew)

Bridge Replacement, Deposition Removal, Rock Lining, Brush Clearing for Inspections

JULY 2020 – Present

Delivery Driver / Cook

Pizza Pub, Schill Enterprise Inc / Clarion, PA

Delivery Driver, Cooking, Cleaning, Customer Service. 20-25 hours per week

AUGUST 2018 – JUNE 2020

Delivery Driver / Cook

Village Pizza / New Bethlehem, PA

Delivery Driver, Cooking, Customer Service. 20-25 hours per week

Activities/Leadership Roles

CC Wranglers/ Clarion County 4H Club

*10 years active member

*4 years elected officer

Clarion County Fair

*Volunteer Gun Raffle Committee

*Volunteer Tractor Pull Committee

*Volunteer Derby Committee

References

John Paul Kirkpatrick, (814)316.1720, Clarion County Fair Derby Committee

Brian Clark, (814)229.1205, Supervisor, Pennsylvania Department of Transportation

Mike Schill, (814)229.9754, Owner, Pizza Pub

Jacob M. Sabol

252 Collegiate Drive, Johnstown, PA 15904

(814) 659-9306

Jacobsabol41@gmail.com

Civil Engineering student looking to improve and demonstrate technical skills and gain experience in a real-world work environment.

Education

University of Pittsburgh at Johnstown (2021 – present)

- Current Junior with a 3.537/4.0 GPA
- Member of American Society of Civil Engineers (ASCE)
- Member of Associated General Contractors of America (AGC)
- Member of Wrestling Team (3 years)

Relevant Work Experience

Whiting-Turner Contracting Company – Construction Intern (Summer 2023)

- Completed quantity take-offs for multiple projects in the bid process
- Reviewed, submitted, and responded to RFIs throughout work duration
- Assembled contract documents to be reviewed and then released to subcontractors
- Learned to reference the spec book with project documents/plans to ensure project quality

PennDOT – Engineering Scientific and Technical Intern (Summer 2022)

- Assisted in construction inspection on a project for the Conemaugh Memorial Medical Center
- Supervised installation of sidewalk, stormwater pipe, inlets, and asphalt daily
- Measured dimensions of sidewalk and asphalt for cost estimating
- Tested concrete strength using cylinders and slump tests
- Learned how to read/follow plans and document/file job site information

H.F. Lenz – Job Shadow (Summer 2020)

I spent time with multiple engineers in different areas of the field and they took me through their daily operations. This experience helped me to gain a better understanding of what an actual workday for an engineer entails.

Skills

- Hard working and Attention to detail
- Good listening skills, Personable, and Dependable
- Proficient in Excel, Mathcad, AutoCAD, and Civil 3D

University of Pittsburgh Johnstown

TEAM:

Richland Jems

GRANT BAURLE

Phone: 412-720-1458

Email: gb530baseball@gmail.com

Education:

West Allegheny High School	2017-2021
<ul style="list-style-type: none">Graduated with Magna Cum Laude	
University of Pittsburgh at Johnstown	2021-present
<ul style="list-style-type: none">Junior Civil Engineering Major	

Work Experience:

Gannett Fleming Inc.	June-August 2019
<ul style="list-style-type: none">Scanned important reports and drawings on paper into the computer filing system	
Glen Carbide	June-August 2021
<ul style="list-style-type: none">Worked in the metal shop using lathes and sandblasters	
University of Pittsburgh at Johnstown Student Ambassador	August 2022-present
<ul style="list-style-type: none">Give campus tours, assemble and mail out acceptance and scholarship letters	
University of Pittsburgh at Johnstown Academic Success Center	January 2023-present
<ul style="list-style-type: none">Drop-in public speaking and one-on-one Calculus I tutor	

Skills:

Has a lot of experience in Inventor, Revit, and Excel

Capable of using AutoCAD, Civil 3D, and MathCAD

Activities in College:

Jazz Ensemble and Concert Band (UPJ Bands)	Fall 2021-present
<ul style="list-style-type: none">Vice President since Fall 2022	
American Society of Civil Engineers	Fall 2022-present
<ul style="list-style-type: none">President for 2024 calendar year	
UPJ Steel Bridge	Fall 2023-present
<ul style="list-style-type: none">Design Manager since Fall 2023	
CAWP	Spring 2024-present

Mackenzie Cegelski

2339 Ridge Road McKeesport, PA, 15135 | MRC150@pitt.edu | (412)-961-1896

OBJECTIVE

Seeking employment as an entry level civil engineer with a company where I can utilize and further develop my knowledge and technical skills.

EDUCATION

University of Pittsburgh at Johnstown, Johnstown, PA, April 2024

Bachelor of Science in Civil Engineering

Overall GPA: 2.913

Elizabeth Forward High School, Elizabeth, PA, June 2020

High School Diploma

Graduated with High Honors

RELEVANT COURSEWORK

- Structural Analysis
- Steel Structures
- Bridge Engineering
- Concrete Structures
- Principles of Soil Mechanics
- Foundation Engineering
- Surveying & Land Development
- Construction Management

EXPERIENCE

International Village, McKeesport, PA, Seasonal

August 2021, 2022, 2023

- Sold merchandise and provided food service for community members at fairgrounds.

SKILLS

- AutoCAD
- MS Word
- Mathcad
- Civil 3D
- MS Excel
- RISA-2D

ACTIVITIES

American Society of Civil Engineers (ASCE), September 2021—present

Concrete Canoe, September 2021—present

- Paddling Captain, August 2023—present
- Project Proposal Manager, August 2022 – April 2023

Estimating Team, September 2023—present

Rugby Club, University of Pittsburgh at Johnstown, September 2023—present

DAVID HUMENSKY

17 Homestead Dr. Avella, PA · 724-579-3630
humenskyd@gmail.com

EXPERIENCE

APRIL 2019 – DECEMBER 2020

SERVER, WIENCEK'S DAIRY BAR

Serve customers, make desserts, take out food, clean store front

MAY 2022 – JANUARY 2023

INTERN, ALEX E. PARIS, CONTRACTING CO.

Help around the offices, survey jobsites using base station or drone, make contour and orthomosaic maps of job sites, go to job bids, fill out bid sheets, learn new software and teach others how it works, aid in boundary surveys, preconstruction surveying, general labor if needed

EDUCATION

MAY 2021

HIGH SCHOOL DIPLOMA, AVELLA AREA JR/SR HIGH SCHOOL

High honors, graduated seventh in the class

SKILLS

- Familiar with modern industrial survey equipment
- FAA 107 license
- OSHA 10 trained
- Organized

ACTIVITIES

UPJ Catholic campus ministries Treasurer, president of UPJ survey team, concrete canoe, UPJ estimating team, former captain of Avella cross country tea, former member of Avella academic team, regular volunteer at St. Michael's church,

Mallory Jackson

Seeking an internship related to civil engineering
Johnstown, PA 15905 | (814)-244-8183 | mej91@pitt.edu

Education

University of Pittsburgh at Johnstown Expected Graduation Date: December 2024

- GPA – 2.8/4.0
- Bachelor of Science in Civil Engineering

Skills

- AutoCAD Civil 3D
- HydroCAD
- HY 8 Culvert Hydraulic Analysis Program
- Public Speaking

Work Experience

Herbert, Rowland & Grubic, Inc. May 2023 – Current
Intern

- Work with Project Manager(s) and Project Engineer(s) in design/drafting
- Prepare plans and profile drawings in AutoCAD Civil 3D
- Assist in preparation of drainage, stormwater management, erosion and sedimentation control and other reports required for project permits and approvals

University of Pittsburgh at Johnstown August 2022 – Current
Head Resident Assistant

- Develop rapport with 70 first year students
- Advise and lead a staff of 5 to ensure the first year hall is safe and conducive to a positive learning environment

University of Pittsburgh at Johnstown Employed May 2021 – Current
Senior Student Tour Guide and Admissions Representative

- Ensure visitors have an enjoyable time on campus

Eat'n Park September 2018 - 2020

- Collaborated with other members of the team to optimize patrons' positive dining experience in an establishment that emphasizes quality and customer satisfaction.

Activities

CAWP Estimating Team 2022 - Current

American Society of Civil Engineers (ASCE)
• Active member of the Pittsburgh section of ASCE Sept. 2021 – Current

Concrete Canoe
• Student chapter member Sept. 2021 – Current
• Paddling Captain 2022 – 2023

Jay Miller

724-893-6666

ism112@pitt.edu

Johnstown, Pa 15904

EDUCATION

- University of Pittsburgh at Johnstown Graduation Spring 2025
 - Civil Engineering - Major
 - Mathematics- Minor

SKILLS

- Lean Manufacturing
- Client Support
- Team Supervision & Management
- Customer Service
- Communications
- Inventory Management
- Bandsaw
- Laser Cutter and engraver
- Process Improvement
- Quality Improvement
- Technical Skills
- Microsoft Word
- Microsoft Excel
- Autodesk Inventor
- Autodesk AutoCAD
- Autodesk Mathcad

EXPERIENCE

<i>Sweet Jeanie's</i>	September 2017- December 2019
Kitchen	June 2018-September 2018
Team Leader	September 2018-December 2019
<i>Veritas Academy of the Arts (Guthrie Theatre)</i>	May 2019-December 2019
Team Leader	August 2019-December 2019
Delivery Driver, <i>Coffaro's Pizza</i>	December 2019-August 2022
Stagehand, <i>University of Pittsburgh at Johnstown</i>	September 2021-Present

ACCOMPLISHMENTS

Awarded the Harvard Book Award	June 2019
Best Robotics	September 2014 - June 2019
• President	January 2015 – June 2019
UPJ Alliance	September 2020- Present
• Events Coordinator	April 2021- April 2022
• Treasurer	April 2022- April 2023
• President	April 2023- Present
BAJA	September 2020- Present
First Gen Club	September 2020- Present
Anime Club	September 2020- February 2023
• Treasurer	September 2021- February 2023
ESports	September 2022-Present
• Secretary	September 2022-Present
Art club	September 2021-Present
• President	September 2021-September 2023
Concert band (College level)	September 2020- Present

Nicholas T. Wirfel

246 Gailey Road, Lilly Pa 15938

(814)-761-0723

Ntw11@pitt.edu

Undergraduate Civil Engineer

I am an Undergraduate Civil Engineer at the University of Pittsburgh at Johnstown. I'm looking for a summer internship in order to gain knowledge and work experience in my field.

Education

University of Pittsburgh – Junior -----2022 through Current

- Civil Engineer Major

Penn Cambria High School – Graduate -----2018 through 2022

- High School Diploma
- G.P.A – 4.0

Experience

University of Pittsburgh at Johnstown Academic Affairs Office

- Federal Work Study position
- I file confidential documents and help the dean of students.

Concurrent Technologies Corporation (CTC) – 2023 summer Intern

- Completed inventory of company chemical storages.
- Performed maintenance on lab equipment.
- Worked with other engineers to disassemble and dispose of contract related materials.

Addition Information

Boy Scouts of America – Eagle Scout

- Spent 12 years as a member of the Boy Scouts of America.
- Reached the rank of eagle scout in my closing years.

Concrete Canoe Member

- I hold club positions to help with the construction of a concrete canoe at UPJ.
- This work entailed our team cutting out a mold out of Styrofoam and eventually laying the layers of concrete to achieve our design.

References

Dawn Beam – Academic Affairs Office

- (814)-269-2996
- dbeam@pitt.edu

West Virginia University

TEAM:

ESB-541

FAYSAL AHAMED

fa00049@mix.wvu.edu | 304 376 4835 | www.linkedin.com/in/faysal-ahamed-wvu/

PROFESSIONAL SUMMARY

- 1+ years of experience as ‘Graduate Research Assistant’ at West Virginia University.
- 6+ years of experience in construction management sector at versatile positions.

EDUCATION

West Virginia University

Master of Science in Civil Engineering

CGPA: 3.66 in scale of 4.00

Relevant Courses: Construction Engineering, Construction Estimating, Infrastructure Asset Management I, Structural Dynamics.

Morgantown, WV

July 2024 (Expected)

Bangladesh University of Engineering & Technology (BUET)

Bachelor of Science in Civil Engineering

CGPA: 3.03 in scale of 4.00

Relevant Courses: Project Planning and Construction Management, Design of Concrete Structures I & II, Design of Steel Structures, Socio-economic Aspects of Development Projects, Professional Practices and Communication, Environmental and Sustainable Management.

Dhaka, Bangladesh

September 2015

SOFTWARE SKILLS

AutoCAD | ETABS | SAP 2000 | Python | JMP | C++ | MATLAB | VISSIM | MS Word, MS Excel, MS PowerPoint.

PROFESSIONAL EXPERIENCE

West Virginia University

Graduate Research Assistant

Project: Development of deterioration curves for Ohio bridges.

- Developing deterioration curves for Ohio bridges categorized by different structures, materials, and maintenance authorities.
- Collected and organized historical bridge data for Ohio bridges from the National Bridge Inventory (NBI) database.
- Reviewed and summarized literature from scientific journals.

Morgantown, WV

January 2023 - Present

Permanent Campus Establishment Project

Bangabandhu Sheikh Mujibur Rahman Maritime University

Senior Field Supervising Engineer

- Ensured top-notch quality control for 950,000 cubic meter land development work with 1230-meter embankment construction along the Karnaphuli River.
- Supervised land surveys and volume calculations in land development projects using drones and total stations.
- Prepared detailed daily and monthly progress reports proficiently, fostering efficient communication with stakeholders.
- Proficiently conducted cost estimations, prepared tender documents, and developed Detailed Project Proposals enhancing project planning and execution.
- Successfully executed a comprehensive subsoil investigation project involving 139 boreholes.
- Accomplished land reclamation and land development projects totaling 1,862,000 cubic meters and covering 107 acres.

Chittagong, Bangladesh

December 2019 - December 2022

Bangladesh Navy

Assistant Project Engineer Officer

- Prepared progress reports, maintained official records, and assisted in project design and cost estimation for streamlined project planning and execution.
- Developed tender documents, and contract agreements and supervised foundation work for the 10-storied RCC building at Cox’s Bazar, Bangladesh, and 3x Indoor Sports Complexes (Steel Structures) in Chattogram, Bangladesh.
- Supervised construction work of 9x high-rise buildings; Flour Mill and bakery; 96 accommodation houses, 8 Shelter stations (steel structure), 2 Relief sheds for Rehabilitation Project for Rohingya Refugees; 2x helipads, 0.5km connecting roads, 2x wooden bridges, and land development with shore protection ensuring timely and quality delivery.
- Coordinated land and water survey work for BNS Sheikh Hasina Submarine Base with China Communications and Construction Company in Pekua, Cox’s Bazar, Bangladesh.

Chittagong, Bangladesh

July 2016 - December 2019

SURVEY EXPERIENCE

Nimtoli City Stopover Bus Terminal (CSBT) Project

Traffic Data Surveyor

- Prepared traffic movement database for Dhaka metropolitan area.
- Conducted traffic survey on different intersection and collected data on road geometry and road condition.

Dhaka, Bangladesh

September, 2014

Personal information

- **Name** *Alireza Ghasemi*
 - **Phone** *+1(213)5611581*
 - **Email** *ag00085@mix.wvu.edu*
 - **LinkedIn** [linkedin.com/in/alireza-ghasemi-743015204](https://www.linkedin.com/in/alireza-ghasemi-743015204)
-

EDUCATION

2022-present

- **Ph.D. Student in Wadsworth Department of Civil and Environmental Engineering, West Virginia University, Construction Management field, WV, US.**

2013-2019

- **Master of Science in Earthquake Engineering, Islamic Azad University of Iran, branch Qazvin (QIAU), (GPA: 3.5/4).**
Thesis Title: *A (MPL) neural network based on an algorithm for Earthquake magnitude prediction using response spectrum. (4/4)*
Supervisor: *Prof. Ali Delnavaz*

Honors and awards: *Ranked 5th among all participants in the annual university of Qazvin entrance exam.*

2006-2013

- **Bachelor of Science in Civil Engineering, Islamic Azad University of Iran, branch Qazvin (QIAU), Internship: monitoring a 4-floor apartment project, Karaj city, Iran, 2012.**
-

Publications

- Review of Emerging Technologies for Reducing Ergonomic Hazards in Construction Workplaces, *Building*, 2023.
- Tailoring 3D printed concrete through explainable artificial intelligence, *Structures*, 2023.
- Assessment of EDTA-enhanced electrokinetic removal of metal(loid)s from phosphate mine tailings, *Separation Science and Technology*, 2022.
- A Nomogram for Predicting Fire-induced Spalling, Conference, *the 12th international Conference on Structures in Fire (SiF 2022) At: Hong Kong*, 2022.
- On the Premise of A New Theory for Fire-Induced Spalling of Concrete through eXplainabel Artificial Intelligence, *The 12th International Conference on Structures in Fire (SiF 2022) At: Hong Kong*, 2022.

Research interest

- *Machine Learning & Deep Learning*
- *Image Processing & Computer Vision*
- *Digital and Smart Systems*
- *Automation in Construction*

Certificates

- *Deep Learning with TensorFlow, IBM, 2022*
- *Deep Neural Network with PyTorch, IBM, 2022*
- *Deep Learning Essential with Keras, IBM, 2022*
- *Data Analysis with Python, IBM, 2022*
- *Python for Data Science, IBM, 2022*
- *Machine Learning with Python, Coursera, 2022*
- *Machine Learning, Maktabkhoneh Institute, 2021*
- *Python Programming, Maktabkhoneh Institute, 2021*
- *Python Programming for Engineering, Mojtama Fani Tehran institute, 2021*
- *National Civil Engineering System degree, 2019*
- *ETABS & SAFE for Civil Engineering, Civil House Institute, 2012*

Academic Experience

- *Reviewer in Journal of Automation in Construction, 13 papers.*
- *Reviewer in Journal of Construction Engr. & Management, 1 paper.*
- *Reviewer in Journal of Easychair Conference, 4 papers.*
- *Reviewer in Journal of Winter Simulation Conference, SanAntonio, 2 papers.*

Professional Experience

- *Structural Engineer, Nimrokh company, cooperating with company in construction of the structural facilities of underground pumping station of Azad dam, and water transfer system project, Sanandaj city, Kurdistan province, Iran.* 2019-present ❖
- *Earthquake Engineer, monitoring the construction project of Amir Kabir overpass and tunnel with related installations and utilities including the construction of multistorey, car-parking, and business complex, Tehran, Iran.* 2017-2019 ❖
- *Entrepreneur, designing, managing, monitoring an apartment project in 4floors and 6 units with considering Cost limitation, Safadasht city, Alborz province, Iran.* 2014-2017 ❖
- *Self-employed, redesigning and renovating an old villa with considering Humidity (100%), Nashtarood city, Mazandaran province, Iran.* 2012-2013 ❖
- *Entrepreneur, redesigning and renovating an old apartment consist of improving energy efficiently, Tehran, Iran.* 2011-2012 ❖
- *Self-employed Construction engineer, designing and managing a process of building a villa in 2 floors with considering low temperature(-20C), Taleghan city, Alborz province, Iran.* 2009-2010 ❖

Computer skills

- *Machine Learning*
- *Deep Learning*
- *Neural Networks*
- *PyThon programming*
- *Data Visualization*
- *Data Cleansing*
- *Jupyter*
- *Anaconda*
- *MATLAB & Java*
- *Visual Studio Code*
- *Fast type*
- *Primavera-Microsoft Project*
- *SiesmoSignal*
- *Structural Software for Building Analysis and Design (ETABS)*
- *Safe*
- *Office*
- *Bluebeam*
- *AutoCAD*

MASON ROBERT ALLEN PFLUEGER

East Berlin, PA
(717) 465-8995

Masonrpflueger79@gmail.com

EDUCATION:

West Virginia University, Morgantown, WV
Bachelor of Sciences in Civil Engineering

Expected Graduation: May 2024
GPA: 3.35

EXPERIENCE:

C.S. Davidson Inc.

Civil/Municipal Engineering Intern

Gettysburg, PA
05/2023 - 08/2023

- Coordinated roadway management projects, assuring proper specifications were utilized for roadway features
- Ensured quantities sent by contractors on RFPs aligned with inspection documents
- Utilized AutoCAD to design and organize site plans
- Performed field inspections of in-progress roadway maintenance activities

PJ Dick – Trumbull – Lindy

Surveying Engineering Intern

Pittsburgh, PA
06/2022 - 08/2022

- Operated the latest surveying instruments.
- Utilized AutoCAD to interpret field-collected data
- Assisted Party-Chief in the layout of roadway plans and site features
- Operated Trimble Data Collectors (TSC 3 and TSC 7), Carlson Data Collectors (RT4), Trimble Robotic Total Stations (SPS930), and Levels

Kinsley Construction Inc.

Laborer/Surveyor

York, PA
07/2020 - 01/2022

- Operated heavy equipment including triaxles and excavators, and performed manual labor on large-scale parking and underground rainwater drainage jobs
- Assisted foreman in the layout of excavation markings and preparation of materials

SKILLS:

- AutoCAD Civil 3D
- Surveying Instruments
- Microsoft 365
- Trimble/Carlson Data Collectors
- Conflict Resolution
- Interpersonal Skills
- Strong Work Ethic
- Detail Oriented

ACTIVITIES:

Neiderer's Family Christmas Trees, Hanover, PA

11/2016 - Present

- Connected with customers personally to find the tree that best serves their needs
- Helped with selecting and tapping trees, as well as taking trees to customers' cars

WVU Outdoor Adventure Club, Morgantown, WV

09/2020 - Present

- Involved spending time outdoors hiking, fishing, and rock climbing with other outdoor-oriented individuals

Future Farmers Club, Spring Grove, PA

08/2016 – 05/2020

- Serve as a Vice President for my Junior and Senior year
- Teaching others about raising crops in our club field
- Rolling Tractor Show

S M Anik Rahman

Resident Status: US Citizen | Morgantown, WV | (609) 553-5681 | sr00086@mix.wvu.edu | www.linkedin.com/in/anikrahman126

EDUCATION

WEST VIRGINIA UNIVERSITY, Morgantown, WV Expected: Dec 2024
Master of Science in Civil and Environmental Engineering (*GPA: 4.0/4.0*)

ISLAMIC UNIVERSITY OF TECHNOLOGY, Bangladesh November 2014
Bachelor of Science in Civil Engineering (*GPA: 3.05/4.0*)

- **Undergrad Thesis title:** Risk Assessment for Urban Water Supply in a Developing Country: A Case Study of Dhaka City.

PROFESSIONAL EXPERIENCE

WEST VIRGINIA UNIVERSITY (Research Assistant), Morgantown, WV Aug 2023- Dec 2023

- Produced project reports showcasing strong writing skills and proficiency in Microsoft Office & AutoCAD.
- Worked as a researcher focused on Comparative Evaluation of Life-Cycle CO2 Emission of GRFP Structural Components to Steel/Concrete Counterparts.

Abdul Monem Limited (Assistant Project Engineer), Dhaka, Bangladesh Mar 2018-Nov 2018

- Assisted the Project Director in a metro rail project, playing a key role in project planning, organizing, and conducting weekly, monthly meetings with vendors, contractors and ensuring smooth site operations through regular inspections.
- Managed communication protocols efficiently handled email correspondence on behalf of the Project Director and coordinated effectively with multiple stakeholders to facilitate project progression.

YGEN Engineering Ltd. (Project Planner), Dhaka, Bangladesh Jan 2017-Feb 2018

- Spearheaded project planning initiatives in a steel engineering company, involving detailed scheduling, resource allocation, and timeline management to ensure efficient project execution.
- Collaborated closely with cross-functional teams to develop comprehensive project strategies, optimize workflows, and monitor progress, ensuring projects were delivered on time and within budget.

Shanta Holdings Ltd. (Assistant Engineer), Dhaka, Bangladesh Feb 2016-Dec 2016

- Oversaw on-site operations for a real estate project, ensuring construction activities adhered to blueprints, quality standards, and safety regulations while managing daily site logistics and workforce coordination.
- Conducted regular site inspections, liaised with contractors and project stakeholders, and provided technical guidance to ensure timely and cost-effective project execution.

DIRD Group (Assistant Engineer), Dhaka, Bangladesh Nov 2014-Jan 2016

- Managed the construction of Effluent Treatment Plant (ETP) and Water Treatment Plant (WTP) in a garment industry project, overseeing all phases from design to completion, ensuring adherence to environmental and industry standards.
- Coordinated on-site activities, supervised teams for various construction tasks, and liaised with contractors and stakeholders to ensure efficient progress and resolution of on-site challenges.

SKILLS

AutoCAD | Autodesk Civil 3D | ETABS | SPSS | Bluebeam | STAAD | JMP | Python | MATLAB | C++ | Latex | Microsoft Office
Eclipse | Selenium | Appium | Catalon Studio | Lightroom

PROJECTS

Construction Estimation of Deck Rehabilitation – Construction Estimating Course December 2023

- Verified takeoff quantities and meticulously prepared bid forms to enhance bidding accuracy.
- Delivered a presentation to effectively communicate bid strategies and project insights during the competition.

Project Proposal – Public Health Engineering Course December 2023

- Developed a comprehensive project proposal for a Public Health Engineering course, encompassing research, analysis, and innovative solutions to address key public health challenges.
- Demonstrated strong project management and writing skills, effectively articulating objectives, methodologies, and expected outcomes, contributing to academic knowledge in the field of public health engineering.

Uddin, Md Ala (E.I.T.)

(304)-943-8339 mau00003@mix.wvu.edu linkedin.com/in/md-ala-uddin-west-virginia-university/

EDUCATION

West Virginia University, Morgantown, WV, USA

Doctor of Philosophy in Civil, and Environmental Engineering

Expected Graduation: Dec. 2024

GPA: 4.0/4.0

Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

Master of Science in Civil and Structural Engineering

July 2021

CGPA: 3.67/4.0

Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

Bachelor of Science in Civil Engineering

Sept. 2017

CGPA: 3.42/4.0

RESEARCH EXPERIENCE

Graduate Research Assistant

Aug. 2021-Present

West Virginia University, *Morgantown, WV*

Project 1: Comparative Evaluation of Life-Cycle CO₂ Emission of GRFP Structural Components to Steel/Concrete Counterparts.

Research Activities:

Aug. 2023-Present

- Designing beams, columns, frames, trusses, highway signposts, bridge decks and more in concrete, steel, and FRP materials with specified lengths and loads.
- Researching embodied carbon emission factors for concrete, steel, and GFRP life cycle stages.
- Estimating material quantities and carbon emissions, comparing unit performance across materials.

Skills acquired: i) Applying Structural Engineering codes (ACI 318-14, ASCE/SEI 7-10, AASHTO LRFD, AISC Manual, ACI 440, IBC etc..) ii) CO₂ emissions and unit performance analysis of conventional and advanced structural materials.

Project 2: The Impact of Concentrated Cracking on Bridge Deck Structural Integrity

Research Activities:

Jan. 2023-Present

- Customizing Deep-Learning (DL) based image processing algorithms to determine the crack length, width, severity etc., from bridge deck images captured by digital camera.
- Conducting Ultrasound Testing (UT) on concrete bridge decks to assess their structural health condition.
- Performing statistical analysis for the crack concentrations and its impact on bridge deck in terms of ultrasound wave velocity.

Skills acquired: Computer Vision, Deep-Learning, and Non-Destructive Testing & Evaluation.

Project 3: Determination of Bridge Element Weights based on Data-driven Models.

Research Activities:

Aug. 2022-Present

- Conducting comprehensive literature reviews for bridge grouping factors and generating deterioration curves by utilizing Markov-Chain model for the bridge components with different design types and materials.
- Performing similarity analysis (i.e. UD, DTW) to determine the bridge grouping factors statistically.
- Determining relative weight of bridges based on the data-driven models.

Skills acquired: Machine Learning (ML), and bridge deterioration modeling.

Project 4: Thermo-Mechanical Responses of FRP Composite Jacketing for Tank Cars under Impact and Fire.

Research Activities:

Aug. 2021-Present

- Designing Qualtric Survey and taking experts inputs regarding economic, technical performance and adaptability factors for the US-DOT rail tank cars.
- Identifying and finalizing cost and effectiveness factors for tank cars in steel and FRP jackets
- Designing Analytical Hierarchy Process (AHP) as a tool to determine the relative weights of the qualitative factors.

Skills acquired: Cost-Effectiveness Analysis (CEA), and decision making.

Graduate Research Assistant

Dec. 2018-July 2021

Bangladesh University of Engineering and Technology, *Dhaka-1000, Bangladesh*

- Conducted elastic and inelastic finite element modeling (SEF, SRL, Bilinear, Chaboche, Chaboche with creep-viscosity etc.), and life prediction of grade-91 tube-sheet structures.
- Evaluated strength due to creep, fatigue, and simultaneous creep-fatigue effects.
- Assessed compressive strength of concrete affected to cast in delay, and evaporation.

Skills acquired: Finite Element Analysis (FEA), and structural integrity assessment.

PUBLICATIONS

- **Uddin, M. A.**, Yoon, Y., Head, M., Abiona, Q. O., (2024). “Determination of Grouping Factors for Bridge Deterioration Analysis”, *Construction Research Conference*, USA. (**Accepted**).
- **Uddin, M. A.**, Islam N., (2023) “Creep-Fatigue Damage Evaluation of Modified Grade-91 Tube Sheet Structure” *International Journal of Pressure Vessels & Piping*, USA (**Under Review**).
- Islam N., **Uddin, M. A.**, (2021). “Life Prediction of Modified Grad 91 Tube-Sheet Structures under Creep-Fatigue Loading Conditions. *The ASME Pressure Vessels & Piping Conference*, USA.
DOI: <https://doi.org/10.1115/PVP2021-62066> (**Published**).
- **Uddin, M.A.**, Islam N., Hossain, M., S., (2020) “Damage Evaluation Due to Effects of Creep of a Thick Cylinder Model Made of Modified Grade 91 Steel”, *ICMEEE-2020*, PI-532. (**Published**).
- Islam, M.A., **Uddin M. A**, Chy M.J.A, (2020) “Effect of Cast in Delay and Evaporation on Compressive Strength of Concrete”, *ICMEEE’2020*, PI-548. (**Published**).

PROFESSIONAL EXPERIENCE

Assistant Structural Designer Sept.2017 -Feb.2019

Shaheedullah and New Associates Ltd., *Dhaka, Bangladesh*

- Designed, and analyzed high-rise buildings, managed concrete core testing, and ferro-scanning.
- Retrofitted building structures with detailed engineering assessment (DEA).
- Estimated costs, managed construction sites, coordinated construction reports for projects.

COMPUTER SKILLS

Graphics Software: Auto CAD **Modeling Software:** MDX, PG Super, Midas Civil, SAP-2000, ETABS, Staad-Pro

Microsoft Office: Word, Excel, PowerPoint. **Simulation Software:** Abaqus

COMMUNITY INVOLVEMENT

President, and Founder, “SEMA Foundation”, Bangladesh and USA July 2022-Present

- Education, medical-treatment campaigns, employment, foods, clothes, and pure water for under-privileged people

President, Sustainable Social Welfare Organization, Bangladesh. March 2020-June 2022

- Distributed food, clothes, and installed tube-wells for safe drinking water to needy people.

Publication Secretary, Ankur International, USA July 2014-Present

- Publicity to raise funds for emergency situations and help needy people throughout the world.

Vice-President, International Student Organization-ISO, *WVU, USA* Sept. 2021-May 2022

- Helped international students with information and promoted cultural diversity.

Founder Vice-President, Switch Bangladesh Foundation, *Bangladesh* July 2016 – Dec. 2019

- Supported, taught slum-children, and created employment scopes for under-privileged families.

RELEVANT COURSEWORK

Analysis and Design of Bridge Structures, Non-destructive Testing and Evaluation, Behavior and Design of FRP Materials, Design of Timber Structures, Infrastructure Asset Management, Dynamic Analysis of Structures, Statistical Methods-I, and Building Information Modeling-Civil 3D.

AWARDS AND HONORS

- Nobel Laureate Dr. Muhammad Yunus and Grameen Education Scholarship (2014 - 2020)
- BUET Technical Education Scholarship (2013-2017)
- Prime Bank Education Foundation Scholarship (2013-2017)
- Comilla Board Scholarship: For outstanding result in the Secondary School Exam (2010-2012)
- Noakhali Zilla Foundation Scholarship, Securing 1st Position (2009-2010)
- Rahim Afroz National Competition on Greenhouse and Recycling, 1st Position at Upazila (2010)
- Fisheries and Development Competition, 1st Position at Upazila (2008).

PROFESSIONAL ASSOCIATIONS

President, Structural Engineering Institute Graduate Student Chapter-WVU June 2023 - Present

Secretary, Structural Engineering Institute Graduate Student Chapter-WVU Jan. 2022-May 2023

Member, American Society of Civil Engineers (ASCE), WVU Student Chapter Jan. 2022-Present

Member, Institute of Engineers Bangladesh (IEB) Dec. 2017-Present