MILO JOHNSTON

GEOTECHNICAL ENGINEERING INTERN

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STRENGTHS

Analytical Thinking
Employs analytical thinking when tackling problems in engineering projects, fostering innovative approaches that impact outcomes.

Effective Communication
Articulates complex ideas clearly to diverse groups, building bridge collaborations during multifaceted projects.

Team Collaboration
Thrives in collaborative settings, earning trust among peers and mentors, leading to a dynamic team environment in projects.

Technical Proficiency
Demonstrates proficiency in various engineering tools, enhancing efficiency in preparations and documentation.

Safety-Consciousness
Prioritizes safety protocols and health regulations, underscoring commitment to ethical conduct in all engineering tasks.

SKILLS

Geotechnical Engineering
Technical Writing
Project Management
Data Analysis
Engineering Software
Communication Skills
Field Surveys
Document Control
Design Calculations
Research Collaboration
Problem Solving

SUMMARY

Dedicated Civil Engineering student with hands-on experience in Geotechnical Engineering projects through academic research and teamwork. Skilled in technical writing and project documentation, while committed to workplace safety and ethical standards. Capable of communicating effectively across diverse audiences and collaborating with peers and mentors for successful project execution. Strongly interested in developing skills in support of WSP's innovative engineering projects. Eager to contribute positively and learn from experienced professionals during the internship.

EDUCATION

Bachelor's Degree in Civil Engineering

University of Pittsburgh GPA: 3.5 2027 Pittsburgh, PA

Coursework: *Structural Analysis, Soil Mechanics, Geotechnical Engineering, Hydraulics*

TECHNICAL SKILLS

- **Project Management Tools:** Trello, Asana, JIRA
- **Engineering Software:** AutoCAD, MATLAB, R
- **Technical Writing Tools:** Microsoft Word, LaTeX, Google Docs
- **Statistical Analysis Tools:** Excel, SPSS, Minitab
- **Data Visualization Tools:** Tableau, Power BI, Matplotlib
- **Field Measurement Devices:** Total Station, Fluid Pressure Gauges, Soil Testers
- **Documentation Standards:** ISO 9001, ASCE Guidelines, AISC Specifications
- **CAD Software:** MicroStation, SketchUp, AutoCAD
- **Presentational Tools:** PowerPoint, Canva, Prezi
- **Project Management Methodologies:** Agile, Waterfall, Lean

EXPERIENCE

Geotechnical Engineering Research Assistant

University Project January 2026 - Present Pittsburgh, PA

Supported research efforts on soil mechanics, crucial for understanding foundational engineering principles. Collaborated with faculty and conducted analysis for geotechnical properties.

- Conducted research focusing on soil characteristics, enhancing new methodologies in geotechnical assessments.
- Assisted in drafting proposals and documentation, improving precision in technical writing and research presentations.
- Worked alongside faculty to develop experimental protocols, ensuring adherence to safety standards for lab work.
- Engaged in data interpretation using statistical tools which contributed to significant discoveries in ongoing projects.
- Presented findings at academic gatherings, showcasing effective communication and knowledge-sharing skills with peers.
- Contributed to creating detailed timelines to guide the workflow of ongoing geotechnical research initiatives.

Civil Engineering Intern

Academic Research Lab September 2025 - December 2025 Pittsburgh, PA

Presentation Skills

Risk Assessment | Safety Protocols

Cost Estimation

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Geotechnical Engineering Research Assistant at University Project (7 Months)
- Civil Engineering Intern at Academic Research Lab (3 Months)

Gained practical experience through supportive fieldwork aiding transition from theory to application in real-world geotechnical projects.

- Participated in geotechnical evaluations by conducting soil sampling that informed design decisions.
- Cooperated with senior engineers to perform key preliminary designs, facilitating innovative problem-resolution methods.
- Maintained organized documentation, emphasizing meticulous records which supported transparency within the cohort.
- Completed comprehensive safety training, solidifying the importance of high standards in professional practices.
- Developed skills in software applications useful in preparing design plans while contributing to project deliverables.
- Supported literature reviews that broadened insights into current practices impacting civil engineering design.

LEADERSHIP & AWARDS

- Dean's List, University of Pittsburgh (2025)
- First Place, University Engineering Design Competition (2026)

CERTIFICATIONS

- OSHA 30-Hour General Industry Certification 2026
- First Aid and CPR Certification 2026

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Volunteer, Habitat for Humanity (2025-2026)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST