

Sebastian Marshall

Entry-Level Geotechnical Engineer

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SUMMARY

Dedicated civil engineering graduate ready to contribute to innovative geotechnical projects. Combines strong communication and teamwork skills with hands-on experience in geotechnical analysis, gained through academic projects and an internship. Proficient in Microsoft Office Suite and eager to enhance community infrastructure through meticulous foundation design and analysis. Committed to collaborating with diverse engineering teams to deliver quality results that support sustainable development and project compliance. Ready to embark on challenging projects that drive positive impacts while ensuring safety and efficiency in alignment with best practices.

EXPERIENCE

Geotechnical Engineering Analyst

University Project 📅 January 2025 – May 2026 📍 Omaha, NE

Focused on geotechnical analysis within a collaborative student project. Engaged in drafting reports and applying soil stabilization techniques under simulation environments. Worked actively with peers on foundation design projects intended for hypothetical constructions.

- Conducted geotechnical analysis for a team project focused on soil stabilization techniques.
- Assisted in drafting comprehensive geotechnical reports detailing findings and recommendations.
- Collaborated with peers to design foundation solutions for hypothetical construction projects.
- Engaged in site observations and soil sampling to classify soil types under supervision.
- Utilized MS Office Suite to present project findings effectively.
- Participated in project scheduling, ensuring timely completion of all deliverables.

Research Assistant

Academic Research 📅 September 2024 – December 2025 📍 Omaha, NE

Contributed significantly to research initiatives centered on soil mechanics and material properties. Gained depth in data collection, experimentation, and analytical methodologies. Collaborated with faculty to refine testing processes and documentation.

- Supported research on soil mechanics, contributing to significant data collection and analysis.
- Assisted in the preparation of research papers and presentations for academic conferences.
- Worked closely with faculty to develop methodologies for testing soil properties.
- Conducted essential experiments in laboratory settings adhering to strict safety protocols.
- Collaborated with a team leading to publication in peer-reviewed journals.
- Developed skills using advanced laboratory equipment and geotechnical testing methods.

Civil Engineering Intern

Internship 📅 June 2024 – August 2024 📍 Remote

Assisted in evaluating project sites and current conditions, supporting senior engineers in project parameters. Gained firsthand experience in drafting critical design documentation and engaging deeply with team processes.

- Assisted senior engineers in evaluating site conditions for civil engineering projects.
- Participated in the drafting of design documents and project proposals.
- Conducted field visits collecting data and assisting in soil classification tasks.
- Engaged in team meetings providing insights on project challenges and solution strategies.
- Gained practical experience in project management practices and relevant engineering standards.
- Enhanced proficiency in industry-related technical software tools.

LEADERSHIP & AWARDS

- Achieved Dean's List recognition for academic excellence during multiple semesters.
- Received the Best Project Award at the annual university engineering showcase.

EDUCATION

Bachelor's Degree in Geotechnical Engineering

University of Nebraska Omaha 🎓 GPA: 3.8 📅 2026 📍 Omaha, NE

Coursework: Soil Mechanics, Foundation Design, Engineering Mathematics, Structures Analysis

CERTIFICATIONS

- Engineer Intern Certificate (EI) 📅 2026
- First Aid/CPR Certification 📅 2025

TECHNICAL SKILLS

- **Engineering Software:** AutoCAD, MATLAB, SAP2000
- **Data Analysis Tools:** Excel, SPSS, R
- **Research Methodologies:** Experimental Design, Statistical Analysis, Data Interpretation
- **Presentation Tools:** PowerPoint, Google Slides, Adobe Illustrator
- **Technical Writing Tools:** Microsoft Word, LaTeX, Notion
- **Survey Equipment:** Total Station, GPS, Soil Sampler
- **Geotechnical Software:** GeoStudio, PLAXIS, LPILE
- **Drafting and Modeling Software:** SketchUp, Revit, Rhino
- **Collaboration Platforms:** Slack, Trello, Asana
- **Laboratory Equipment:** Compaction Test Apparatus, Cone Penetrometer, UCS Test Machine

SKILLS

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|-------------------------|----------------------|------------------------|----------------------|
| • Geotechnical Analysis | • Project Scheduling | • Team Collaboration | • Laboratory Testing |
| • Foundation Design | • Field Observations | • Communication Skills | • Safety Protocols |
| • Soil Classification | • Data Collection | • Problem-Solving | • Time Management |
| • Microsoft Office | • Technical Writing | • Research Methodology | |

PROFESSIONAL AFFILIATIONS

- Active member of American Society of Civil Engineers (ASCE).
- Volunteer in local community engineering projects promoting sustainable practices.

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST