Niko Gibbs

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SUMMARY

Driven geologist with two years of comprehensive experience in geotechnical investigations and geohazard evaluations. Adept at utilizing technology for geological assessments, fieldwork, and data analytics to help engineering projects succeed. Strong research capabilities complemented by effective communication skills facilitate collaboration with multidisciplinary teams. Adopts a commitment to safety while delivering top-notch documentation within dynamic environments. Eager to make impactful contributions to engineering teams through expert quality assurance monitoring, data evaluations, and site assessments.

EXPERIENCE

Geology Research Assistant

June 2025 - Present

University Research Lab

Cleveland, OH

In this role, supported academic research initiatives by leading field surveys and geological mapping efforts. Collaborated closely with senior researchers on data collection, evaluation, and technical report preparation, enhancing overall project documentation accuracy.

- Conducted field surveys and identified geohazards crucial for ongoing academic research projects.
- Collaborated with senior researchers in gathering, evaluating, and preparing technical reports.
- Utilized GIS software for spatial analysis, resulting in improved interpretation of geological data.
- Supervised drilling operations and borehole logging while ensuring strict adherence to safety protocols.
- Presented research findings at academic conferences, effectively translating complex ideas for varied audiences.
- Participated actively in team meetings, helping shape project objectives and timelines.

Junior Geologist

January 2024 - May 2025

XYZ Geosciences

Pittsburgh, PA

Contributed significantly to an array of geotechnical engineering projects by conducting field observations and overseeing data evaluations under the direction of seasoned geologists. Responsibilities involved thorough site reconnaissance and optimization of quality assurance monitoring processes.

- Supported geotechnical projects by performing field observations, enhancing project execution.
- Executed rigorous site reconnaissance and construction quality assurance checks, promoting safety and compliance.
- Compiled pertinent geotechnical data aiding in robust analysis and report generation.
- Assisted in drafting technical reports and permit documents, enriching writing skills aligned with industry standards.
- Adapted quickly during local and national travel for diverse site assessments, accommodating varying work conditions.
- Upheld stringent workplace safety measures, consistently aligning with organizational policies and procedures.

LEADERSHIP & AWARDS

- Dean's List, Cleveland State University, 2024-2026
- Outstanding Presentation Award, Geography Department

EDUCATION

Bachelor's Degree in Geology

2026

Cleveland State University GPA: 3.8

Cleveland, OH

Coursework: *Earth Sciences, Environmental Geology, Geotechnical Engineering, Hydrogeology*

CERTIFICATIONS

- Geologist in Training Certification 2026
- GIS Technician Certification Expected 2026

TECHNICAL SKILLS

- **Software Tools:** ArcGIS, AutoCAD, MATLAB
- **Data Analysis Platforms:** Excel, Python, R
- **Field Equipment:** GPS, Soil Testers, Elevation Survey
- **Reporting Standards:** ASCE, ASTM, ISO

- **Safety Protocols:** OSHA Regulations, Site Safety Plans, Risk Management Frameworks
- **Geotechnical Design:** Slope Stability Analysis, Foundation Design, Earth Retention Systems
- **Research Methodologies:** Laboratory Testing Procedures, Sampling Techniques, Field Studies
- **Presentation Tools:** PowerPoint, Tableau, Report Writing Software
- **Regulatory Compliance:** Environmental Laws, Construction Codes, Land Use Policies
- **Surveying Techniques:** Topographic Surveys, LiDAR Mapping, Soil Boring Techniques

SKILLS

- Geotechnical Investigation
- Geohazard Assessment
- GIS
- Technical Writing
- Data Analysis
- Field Data Collection
- Design Review
- Problem Solving
- Communications
- Collaboration
- Research Techniques
- Site Supervision
- Risk Assessment
- Quality Assurance
- Project Management

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, Cleveland State University
- Volunteer, Environmental Restoration Project, Cleveland, OH

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST