

Jisoo Barnett

Geophysics Technician I

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SUMMARY

Detail-oriented Geophysics Technician with hands-on experience managing field testing, lab analysis of construction materials, and ensuring safety standards on projects. Proficient in preparing detailed reports, communicating findings effectively with project teams, and maintaining quality control. Established a strong background in geophysical methodologies through extensive coursework and recent professional experiences. Committed to obtaining certification while contributing to team success within construction and engineering environments. Ready to leverage practical skills in furthering team goals and engaging positively with various stakeholders in diverse project settings.

EDUCATION

Bachelor's Degree in Geophysics

University of Atlanta 🎓 GPA: 3.5 📅 2026 📍 Atlanta, GA

Coursework: Geophysical Methodologies, Field Testing Techniques, Laboratory Analysis Procedures, Safety Compliance Standards

TECHNICAL SKILLS

- **Field Testing Tools:** Soil Testers, Concrete Mixers, Data Loggers
- **Laboratory Equipment:** Cylinders, Nuclear Density Gauges, Sieve Shakers
- **Reporting Software:** Excel, AutoCAD, MATLAB
- **Communication Platforms:** Microsoft Teams, Zoom, Slack
- **Health & Safety Protocols:** OSHA Guidelines, Risk Assessment Procedures, Emergency Response Plans
- **Geophysical Applications:** Seismic Refraction, Ground Penetrating Radar, Electrical Resistivity
- **Documentation Standards:** ISO 9001, ASTM Standards, Technical Writing Practices
- **Test Analysis Methods:** Statistical Evaluation, Quality Assurance Processes, Comparative Testing
- **Safety Certifications:** OSHA 10-Hour, ACI, Nuclear Density Gauge
- **Collaboration Tools:** Google Workspace, Microsoft Office, Trello

SKILLS

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|-----------------------|---------------------------------|----------------------------|------------------------|
| • Field Testing | • Geophysical Methodologies | • Trial Coordination | • Sampling Techniques |
| • Laboratory Analysis | • Material Inspection | • Quality Control Measures | • Compliance Reporting |
| • Report Preparation | • Data Documentation | • Project Collaboration | • Risk Assessment |
| • Safety Compliance | • Testing Equipment Maintenance | • Statistical Analysis | |

EXPERIENCE

Geophysics Technician

University Research Lab 📅 January 2026 - Present 📍 Atlanta, GA

Expanded responsibilities in field testing and laboratory analysis of soil and concrete samples under expert supervision. Developed skills for collaborating with project managers to uphold project specifications and ensure compliance with industry safety regulations. Routinely documented testing outcomes for accurate reporting, ensuring results were communicated clearly and promptly to relevant project stakeholders.

- Conducted thorough field and laboratory tests on construction materials, adhering to strict protocols.
- Collaborated with engineers and project managers, ensuring effective communication regarding project progress.
- Documented and reported results, streamlining the data processing workflow for quicker turnaround.
- Facilitated the transportation of test samples to labs, improving coordination among team members.
- Maintained laboratory equipment meticulously, ensuring readiness for use and complying with safety standards.
- Engaged actively in safety training programs, translating knowledge into practical daily operations.

Testing Assistant

Academic Research Group 📅 August 2025 - December 2025 📍 Atlanta, GA

Gained valuable experience in hands-on testing of construction materials alongside senior researchers. Emphasized accuracy and precision through consistent documentation and collaboration with research partners. Contributed to generating reliable data essential for advancing ongoing studies and meeting project objectives.

- Supported material testing initiatives by accurately applying geophysical techniques.
- Produced comprehensive reports summarizing laboratory findings, assisting team clarity.
- Regularly participated in team meetings, sharing insights and addressing challenges proactively.

- Ensured optimal maintenance of research facilities, contributing to overall efficiency.
- Collaborated closely with peers for data collection crucial to project success.
- Participated in processes to validate test result accuracy, enhancing confidence in work quality.

Capstone Project Developer

University of Atlanta 📅 January 2025 - May 2025 📍 Atlanta, GA

Led an insightful capstone project dedicated to analyzing material performance in construction scenarios. Managed group activities and utilized geophysical tools for concrete assessment, producing results critical for understanding material properties. Presented final findings to faculty and peers, fostering discussions around methodology improvement and safety practices during construction.

- Developed a thorough hypothesis focused on evaluating construction material strength.
- Utilized advanced geophysical apparatuses for real-time data gathering, showcasing technical proficiency.
- Authored and delivered a report detailing methodologies, assessments, and suggested future applications.
- Engaged actively with faculty and classmates during presentations, promoting dialogue on key insights.
- Orchestrated reflective sessions to discuss laboratory strategies, fostering innovation.
- Coordinated lab usage and logistics with faculty, enhancing resource alignment throughout the project.

LEADERSHIP & AWARDS

- Dean's List, University of Atlanta, 2024
- First Place, University Engineering Hackathon, 2025

CERTIFICATIONS

- ACI Certification 📅 2026
- Nuclear Density Gauge Certification 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Geophysics Society, 2024 - Present
- Volunteer, University Tech Outreach Program, 2023 - Present

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST