

Leonardo Velasquez

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SUMMARY

Geology graduate eager to leverage hands-on experience in geotechnical fieldwork and site investigations with EcoTech Solutions. Proven success coordinating drilling teams, managing data collection tasks, and executing thorough geotechnical analyses. Strong communicator skilled in technical writing, supporting environmental science and natural resources initiatives. Committed to ethical practices in geology while fostering a collaborative environment. Seeking opportunities to contribute positively to impactful projects in diverse geological settings across Texas.

EXPERIENCE

Field Geology Research Assistant

January 2025 - Present

University Project

Austin, TX

Supported geological research by conducting detailed fieldwork, analyzing soil samples, and preparing reports. Worked closely with faculty members to delineate underground aquifers while assessing geological structures. Coordinated logistics and scheduling of drilling activities for accurate data collection. Maintained rigorous documentation of boring logs promoting compliance with research protocols. Presented findings effectively, receiving positive feedback from stakeholders and peers. Cultivated a supportive team atmosphere through open communication and collaboration.

- Conducted geological mapping and analysis as part of significant research initiatives.
- Collaborated with faculty and peers to assess underground water sources and soil composition.
- Coordinated logistics for drilling operations while ensuring timely execution of site visits.
- Maintained detailed records of drilled samples following established research protocols.
- Developed and delivered presentations focused on field findings for academic critique.
- Engaged in discussions with project stakeholders to gather insights and facilitate improvements.

Geosciences Intern

May 2024 - December 2024

Academic Research

Austin, TX

Assisted in geotechnical investigations focusing on soil sampling and analysis within a collaborative team setting. Learned the intricacies of in-situ testing procedures contributing critical data to multiple projects. Enforced quality standards during sample penetration and assisted in preparing accurate boring logs for documentation purposes. Enhanced data utilization through training in software tools essential for comprehensive reporting. Collaborated effectively within teams, building a strong rapport with various participants throughout intern-level geoscience projects.

- Contributed support for government-sponsored geotechnical investigations, collecting vital soil data.
- Participated in in-situ testing, compiling results into formal documentation standardization.
- Engaged with technical writing workshops promoting clear communication of findings.
- Provided logistical support facilitating coordinated team efforts in various project scenarios.
- Emphasized ethical practices gained through targeted participation in geoscience workshops.
- Developed relationships within teams boosting efficiency during collaborative meetings.

LEADERSHIP & AWARDS

- Dean's List (2024, 2025)
- Research Presentation Award – University Geology Conference (2025)

EDUCATION

Bachelor of Science in Geology

2026

University of Texas at Austin GPA: 3.8

Austin, TX

Coursework: Sedimentology, Geostatistics, Environmental Geology, Site Investigation Techniques

CERTIFICATIONS

- Certified in Geotechnical Engineering Fundamentals 2025
- Environmental Science Certification 2025

TECHNICAL SKILLS

- Geoscience Software:** ArcGIS, AutoCAD, GeoToolkit

- **Field Equipment:** Ground Penetrating Radar, Soil Test Kits, Core Samplers
- **Data Analysis Tools:** MATLAB, Python, ERP Systems
- **Project Management Software:** Microsoft Project, Trello, Asana
- **Consultation Platforms:** Slack, Zoom, Microsoft Teams
- **Safety Protocols:** OSHA Guidelines, Site Safety Compliance, Risk Assessment Tools
- **Document Management:** Microsoft Office Suite, Google Workspace, LaTeX
- **Statistical Analysis Tools:** SPSS, R, Tableau
- **Geological Databases:** Geolog, Petrel, RockWorks
- **Field Survey Methods:** GPS Surveying, Magnetometry, Seismic Reflection Techniques

SKILLS

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|-----------------------------------|-------------------------|--------------------------|--------------------------|
| • Geotechnical Site Investigation | • Communication | • Ethical Standards | • Field Documentation |
| • Soil Sampling | • Team Coordination | • Utility Identification | • Research Methodologies |
| • Data Analysis | • Environmental Science | • Boring Log Preparation | • Sample Analysis |
| • Technical Writing | • Drilling Coordination | • In-Situ Testing | • GIS Software |

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, University of Texas at Austin
- Participant, Annual Geoscience Hackathon (2025)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST