

# Emmanuel Boyd

## Geosciences Intern

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### STRENGTHS

-  **Analytical Skills**  
Utilized strong analytical capabilities to interpret seismic data effectively, guiding decision-making on exploration plays.
-  **Collaboration**  
Fostered teamwork by collaborating with peers on complex geological analyses, achieving shared goals in research excellence.
-  **Communication**  
Delivered clear presentations of data findings, helping audiences grasp intricate geological concepts easily.
-  **Problem-Solving**  
Approached geological challenges with creative thinking, impacting proposed drilling solutions positively.
-  **Technical Expertise**  
Exhibited proficiency in using geological software tools, enhancing analysis quality and effectiveness in reporting.

### SKILLS

- Seismic Interpretation
- Geological Modeling Data Analysis
- Team Collaboration
- Research Methodologies
- Technical Writing Engineering
- Statistics Project Management
- Field Studies Geophysics
- Hydrocarbon Exploration
- Geochemical Analysis
- Reservoir Characterization
- Digital Elevation Models
- GIS Mapping

### SUMMARY

Graduate student specializing in Geology with hands-on experience in geoscience interpretation and research. Strong analytical skills drive innovative solutions for hydrocarbon exploration. Collaboration within team environments ensures valuable contributions to decision-making processes, backed by practical knowledge from academic projects focused on seismic data analysis. Engaged in developing strategies that align geological features with industry demands. Eager to apply expertise in a dynamic work setting with a commitment to furthering advancements in the energy sector, contributing insightful recommendations for exploration projects and field development initiatives.

### EDUCATION

#### Master of Science in Geology

University of Texas at Austin  GPA: 3.8  2027  Austin, TX

**Coursework:** *Sedimentary Processes, Environmental Geology, Structural Geology, Seismology*

### TECHNICAL SKILLS

- Geological Software:** Petrel, GeoGraphix, ArcGIS
- Data Visualization Tools:** Tableau, MATLAB, Python
- Survey Technologies:** Seismographs, GPS, Aerial Imagery
- Statistical Techniques:** SPSS, R, Excel
- Field Measurement Tools:** Core Drills, Resistivity Meters, Magnetic Survey Instruments
- Research Methods:** Field Surveys, Sample Collection, Laboratory Analysis
- Presentation Software:** PowerPoint, Prezi, Google Slides
- Programming Languages:** Python, MATLAB, R
- Certification Programs:** Professional Geologist (PG), Hydrographic Certification, GIS Specialist
- Project Management Software:** Asana, Trello, Microsoft Project

### EXPERIENCE

#### Geosciences Research Assistant

University Research Lab  January 2025 – August 2026  Austin, TX

- Role focused on analyzing seismic data through collaborations with experienced geoscientists. This project-oriented position involved substantial contributions towards hydrocarbon exploration strategies, emphasizing accurate data interpretation and actionable insights.
- Conducted detailed seismic data analysis, improving predictive accuracy for subsurface formations.
  - Collaborated within a dedicated research group, interpreting geological features via advanced 3D seismic data techniques.
  - Developed comprehensive reports recommending potential drilling locations based on rigorous analyses.
  - Utilized geological software tools effectively, enhancing capabilities for visualization and data interpretation.
  - Presented complex findings at academic conferences, recognized for clarity and depth in content delivery.
  - Mentored junior students in research methodologies, fostering a collaborative learning environment.

#### Geological Data Analyst

Academic Research Project  September 2024 – December 2024  Austin, TX

Focused on leveraging sequence stratigraphy for sedimentary environment evaluations. The initiative involved collaborative efforts with faculty members to enhance understanding of local basin formations.

LANGUAGES

|         |            |
|---------|------------|
| English | Native     |
| Spanish | Proficient |

MY CAREER



- Geosciences Research Assistant at University Research Lab (1.6 Years)
- Geological Data Analyst at Academic Research Project (3 Months)

- Executed a project evaluating sequence stratigraphy that identified critical sedimentary indicators.
- Applied various analytical techniques to geological formations, laying groundwork for future resource exploration.
- Created visual models of data, facilitating better communication of scientific concepts to stakeholders.
- Worked alongside faculty to publish findings in a peer-reviewed journal, enriching academic discussions in geology.
- Conducted necessary fieldwork and sampling, ensuring research integrity and suitability of laboratory findings.
- Participated in professional workshops aimed at enhancing technical skills for geoscience applications.

LEADERSHIP & AWARDS

- Dean's List, University of Texas at Austin, 2025
- Best Research Presentation Award, Geology Conference, 2026

CERTIFICATIONS

- Geology Field Techniques Certification 📅 2025
- Introduction to Seismic Interpretation 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Geology Club, University of Texas at Austin
- Volunteer, Environmental Conservation Initiative

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST