DAMIEN AUSTIN

GEOPHYSICS INTERN

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STRENGTHS

Analytical Skills
Transformed complex data into actionable insights, earning trust among peers for critical decision-making considerations.

Team Collaboration
Mentored fellow students during projects, fostering a sustainable learning environment that champions unity and knowledge sharing.

Public Speaking
Crafted thorough presentations focusing on intricate geological concepts, captivating senior professionals interested in emerging strategies.

Technical Proficiency
Acquired proficiency in top-notch modeling software through real-time application in academic settings, streamlining project execution.

Research Methodologies
Pioneered innovative approaches in data analysis, establishing benchmarks recognized by advisors in subsequent academic discussions.

SKILLS

Seismic Interpretation
Data Analysis MATLAB Petrel
Geophysical Modeling
Team Collaboration
Technical Reporting
Hydraulic Fracturing Analysis
Project Management
Literature Review

SUMMARY

Dedicated graduate student specializing in Geophysics with practical experience in subsurface data interpretation and seismic analysis. Engaged in academic projects emphasizing analytical methods, collaborating alongside industry professionals to support hydrocarbon exploration initiatives. A strong collaborator with a knack for developing innovative solutions in energy resource development, bolstered by advanced tools like MATLAB and Petrel. Committed to ethical decision-making and effective teamwork, striving to contribute insight and findings that can optimize geological assessments.

EDUCATION

Master of Science in Geophysics

University of Texas at San Antonio GPA: 3.75 2027 San Antonio, TX

Coursework: *Seismic Analysis, Subsurface Mapping, Hydrocarbon Exploration, Data Interpretation*

TECHNICAL SKILLS

- **Seismic Software:** SeisWorks, Petrel, GeoGraphix
- **Data Analysis Tools:** MATLAB, Python, R
- **Communication Platforms:** Microsoft Teams, Zoom, Slack
- **Database Systems:** SQL Server, Oracle, PostgreSQL
- **Statistical Software:** SAS, SPSS, Minitab
- **Geological Software:** ArcGIS, RockWorks, MapInfo
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Document Creation Tools:** Microsoft Word, LaTeX, Google Docs
- **Presentation Software:** PowerPoint, Prezi, Canva
- **Research Databases:** JSTOR, ScienceDirect, OnePetro

EXPERIENCE

Geophysics Research Assistant

University Project January 2026 - Present San Antonio, TX

Contributed extensively as a research assistant focusing on geophysical studies addressing subsurface structures, particularly regarding hydrocarbon potential.

- Conducted 3D seismic interpretations to evaluate fault configurations and predict trap sizes, enhancing target identification.
- Worked collaboratively to analyze stratigraphic sequences, contributing significantly to strategic prospect development methods.
- Produced detailed technical reports that communicated complex geophysical findings effectively to diverse audiences.
- Utilized high-level software tools such as MATLAB and Petrel for dynamic data analysis and project visualization.
- Engaged in peer review sessions, which facilitated the improvement of analytical methodologies and research outcomes.
- Participated actively in industry-relevant field trips and workshops, grasping hands-on technology applications in survey techniques.

Capstone Project Developer

University Project August 2025 - December 2025 San Antonio, TX

Presentation Skills | Fieldwork | Problem Solving | Data Visualization | Process Optimization | Critical Thinking

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Geophysics Research Assistant at University Project (7 Months)
- Capstone Project Developer at University Project (4 Months)

Led an intensive capstone project aiming to cultivate strategic site identification practices using empirical geophysical data while enriching understanding of energy resource trends.

- Directed group analysis of geophysical datasets aimed at assessing viable drilling locations in unconventional plays.
- Leveraged hydraulic fracturing analysis through advanced modeling techniques, promoting successful exploratory strategies.
- Conducted thorough literature reviews ensuring contemporary relevance and alignment with prevailing industry benchmarks.
- Presented comprehensive project outcomes to faculty and industry experts, garnering commendations for clarity and depth.
- Managed team timelines and deliverables, fostering cohesive contribution from all members to meet strict academic goals.
- Cultivated significant project management skills, strengthening collaborative efforts through effective communication approaches.

LEADERSHIP & AWARDS

- Dean's List - University of Texas at San Antonio (2025)
- Best Presentation Award - Graduate Research Symposium (2026)

CERTIFICATIONS

- Certified in Data Analysis for Geophysics 2026
- Professional Development in Geophysical Methods 2026

PROFESSIONAL AFFILIATIONS

- Member, Geophysics Society - University of Texas at San Antonio (2025 – Present)
- Volunteer, STEM Outreach Program - University of Texas at San Antonio (2025 – Present)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST