Sebastian Callarotti

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EDUCATION

Texas A&M University — **College Station, Texas**
Bachelor of Science in Petroleum Engineering — *August 2021 – Present*

PROFESSIONAL EXPERIENCE

Dorf Ketal Chemicals — **Houston, Texas**
Fuel Additives Intern — *June 2026 – August 2026*

- Designed a sample request tracking system in Rust to reduce entry errors and prevent lost requests across lab and sales teams
- Evaluated $700 million fuel additive industry and identified 9 key targets for future sales
- Catalogued 98 EPA-registered fuel chemical additives for the U.S. market, organized by fuel application and operational performance requirements
- Designed a product line card in PowerPoint and Excel, adopted by fuel additives sales team as a standard reference for matching chemical solutions to customer needs
- Translated peer-reviewed research on fuel additive chemistry into concise executive briefings for management decision-making
- Collaborated with global technical, warehouse, and sales teams to standardize product recommendation workflow

Dorf Ketal Energy Services — **Midland, Texas**
Chemical Engineering Intern — *May 2025 – August 2025*

- Managed chemical treatment programs across 8+ saltwater disposal facilities, optimizing produced water clarification to meet operational efficiency and environmental compliance standards
- Achieved up to a 141% increase in throughput at saltwater disposal facilities through targeted chemical programs while reducing sulfates by up to 54% and H_2S by up to 69%
- Serviced wellheads and battery systems, ensuring flowback handling, pressure integrity, and adherence to safe operating procedures in live production environments
- Partnered with engineers and field technicians to diagnose and resolve treatment performance issues, minimizing downtime and maintaining consistent produced water and crude oil output
- Authored technical reports and client deliverables quantifying treatment performance, cost savings, and operational improvements for engineering and management audiences

Texas A&M University — **College Station, Texas**
Student Coordinator — *January 2022 – May 2026*

- Delivered academic tutoring to 10-30 students per semester in pre-calculus, chemistry, and Newtonian physics, consistently reinforcing foundational concepts critical to engineering coursework
- Averaged a one-letter-grade improvement among students through a structured, step-by-step problem-solving framework
- Adapted instructional approach to individual learning styles, resulting in measurable improvements in student confidence and academic performance

LEADERSHIP & INVOLVEMENT

Society of Petroleum Engineers — **College Station, Texas**
Director of Industry Experiences — *July 2025 – April 2026*

- Planned and executed 5 industry engagement events, including facility tours, site visits, and professional networking sessions connecting students with industry professionals
- Built a semester-long professional development calendar, growing student chapter-industry relationships and expanding access to hands-on career programming

AFFILIATIONS, INTERESTS & SPECIAL SKILLS

Affiliations: Society of Petroleum Engineers (Active Member), Student Bonfire (Active Participant)
Software Proficiencies: CMG, Python, Reservoir Simulation
Languages: English (Fluent), Spanish (Fluent)
Interests: Music, Golf, Sporting Clays, Weightlifting