

Erich Spellmann

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EDUCATION

Texas A&M University – College Station, Texas

Bachelor of Science in Petroleum Engineering

December 2026

GPA: 3.25/4.00

PROFESSIONAL EXPERIENCE

Howard Energy Partners – Port Arthur, Texas

Engineer Intern

June 2025 – August 2025

- Developed and presented a cost-saving solution projected to reduce site maintenance requirements by 50-85%, achieving return on investment (ROI) in first year through operator collaboration and evaluation of prior field implementations
- Built a hands-on foundation in ProMax process simulation software and gained exposure to Programmable Logic Controller (PLC) systems, enhancing understanding of facility optimization and controls
- Prepared monthly customer reports tracking facility material balances, reconciling product receipts with deliveries to ensure accurate accounting and operational transparency
- Redlined and updated P&IDs to reflect current field conditions, strengthening safety protocols and operational reliability

Baker Hughes – Sugar Land, Texas

Field Engineer Co-op Intern

January 2024 – July 2024

- Conducted desalting and pour point depressant testing, optimizing pretreatment strategies for crude blends, saving refineries up to \$500,000 annually
- Collaborated on the Dew Point pH Project for overhead systems, integrating findings into the Corrosion Risk Monitoring Program, reducing operational HSE risks
- Identified solutions for chlorine and mercury removal projects, enhancing midstream oil processing safety, environmental compliance, and processing efficiency
- Developed a comparative analysis of 40+ pretreatment options in Excel and integrated results into a technical report used to guide pretreatment strategy selection

America's Cutting-Edge CNC Machine Training Program – Texas A&M University

Member

May 2023

- Designed and manufactured a functional piston engine using Fusion 360/CAD software and advanced machining techniques
- Completed the America's Cutting-Edge (ACE) Online Metrology Program, gaining precision measurement expertise for Computer Numerical Control (CNC) systems

LEADERSHIP & INVOLVEMENT

Society of Petroleum Engineers – Texas A&M University

Co-Director of Sporting Clays

August 2023 – Present

- Directed the October 25th Sporting Clays Tournament, raising ~\$10k and connecting 50 industry representatives and students
- Led event logistics and sponsorship outreach, converting 49 company contacts into 7 sponsors while coordinating catering, signage, safety equipment, and prizes

Operations Co-Chair – Energy Rush Task Force

- Spearheaded recruitment efforts for SPE's largest freshmen/industry crossover event in history, resulting in 400+ student attendees

Lambda Chi Alpha – Texas A&M University

Academic Chair

April 2022 – Present

- Organized annual Study-A-Thon for 100+ attendees, securing catering sponsorships and promoting academic excellence

Recruitment Co-Chair

- Fostered communication with over 500 prospective members and organized recruitment activities, strengthening engagement and growth

CERTIFICATIONS & ACHIEVEMENTS

Certifications: IWCF (International Well Control Forum) Level 1, Six Sigma White Belt Certification, CNC Machine Training

Software/Programming: Aries, Python, ProMax, TechLog, KAPPA, Kingdom, CMG, CoViz4D, SGeMS, tNavigator, PPS

Achievements: SPE Balcones Scholarship, President Achievements Scholarship