Erich Spellmann

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EDUCATION

Texas A&M University – College Station, Texas **December 2026**

Bachelor of Science in Petroleum Engineering GPA: 3.15/4.00

PROFESSIONAL EXPERIENCE

HalconAguas – San Antonio, Texas **June 2026 – Present**

Data Analyst Intern

- Organize 1,800+ field tickets representing approximately $5.5 million in oilfield assets within Asset Panda, while developing a strong understanding of workover equipment and downhole operations
- Analyze customer workover tickets using Python to identify recurring operational trends and evaluate geological differences leading to paraffin and iron sulfide issues, supporting field decision making
- Automated customer presentations with Python, reduced preparation time from hours to minutes; developed a slickline redress manual and pipe recovery application
- Conduct a field visit to gain exposure to workover operations and better interpret service documentation and asset records

Howard Energy Partners – Port Arthur, Texas **June 2025 – August 2025**

Field Engineer Intern

- Developed and presented a cost-saving solution implementing a pulsation dampener, projected to reduce site maintenance requirements by 50-85%, achieving payout in first year through operator collaboration and 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 **January 2024 – July 2024**

Field Engineer Co-op Intern

- Performed desalting and pour point depressant testing, optimizing pretreatment strategies for crude blends and 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 to mitigate operational HSE risks
- Identified optimal treatment concentrations for chlorine and mercury removal to reduce containment levels, enhancing midstream oil processing safety, environmental compliance, and processing efficiency
- Evaluated 40+ pretreatment options in Excel and integrated results into a technical report to find the best solution

LEADERSHIP & INVOLVEMENT

Society of Petroleum Engineers – Texas A&M University **August 2023 – Present**

Co-Director of Sporting Clays

- Directed the 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

ACHIEVEMENTS & CERTIFICATIONS

Achievements: SPE Balcones Scholarship, President Achievements Scholarship, Subsea Forum Student Design Competition Winner
Certifications & Training: International Well Control Forum Level 1, Six Sigma White Belt Certification, ARIES Workshop
Software/Programming: Python, Asset Panda, Spotfire, DrillingInfo, ARIES, TechLog, KAPPA, Kingdom, CMG