Caiden Stewart

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Education

Texas A&M University - College Station, Texas
B.S. Petroleum Engineering, Geology Minor
Overall GPA: 3.04
Expected Graduation: 05/2028

Professional Experience

Enbridge – Houston, Texas **06/2026 – 08/2026**

Engineering Intern

- Developed a Python-based susceptibility model covering 2,000+ inspection locations across natural gas transmission pipelines to map and continuously monitor corrosion, third-party damage, and hard spots, integrating Power BI visualizations to support integrity and risk-management decisions.
- Reviewed and validated 1,500+ pipeline dig reports, identifying documentation gaps, confirming repairs, and improving database accuracy while helping avoid potential rework costs of approximately $250K per dig.
- Drafted 25 regulatory compliance reports aligned with PHMSA requirements and 49 CFR Part 192, strengthening documentation for pipeline integrity and threat-management programs.

SLB - Midland, Texas **05/2025 - 08/2025**

Petrochemical Technologies Intern

- Gained hands-on exposure to ESP, gas lift, and rod lift systems, participated in workovers and failure diagnostics to identify root causes such as corrosion, scaling, mechanical wear, and flow assurance issues.
- Maintained strict HSE standards (JSA, stop-work authority); completed 550+ field hours with zero incidents
- Collaborated with production and optimization engineers to evaluate artificial lift performance across 300+ producing wells, reviewing key metrics including run life, failure frequency, chemical compatibility, and operating efficiency, reducing treatment cost by $0.35 per barrel of produced water while maintaining corrosion and scaling control
- Supported continuous optimization and remote monitoring workflows for ESP-lifted wells, analyzing surveillance data from existing installations to flag performance degradation and recommend corrective actions

Technical and Data Skills

- Software: Python, Excel, Word, PowerPoint, Power BI
- Artificial Lift and ESP Systems
- Well Performance Monitoring/Optimization
- ComboCurve: Decline Curve Analysis

Activities / Community Involvement

Student Government Association - Aggie Muster Committee **09/2023 - 04/2025**

Reunion Class Operations Camaraderie Coordinator / Reflections Display Coordinator

- Held financial responsibility over $35,000 of student government association's budget to serve the Texas A&M alumni and current students on campus
- Led end-to-end logistics for the Reflections Display honoring fallen Aggies during Muster Week; curated, transported, and staged 135+ artifacts across 2 venues
- Primary liaison to next-of-kin for 135+ families; set expectations on timelines, shipping/return protocols, and care standards, achieving 100% on time setup and item return accuracy