

Joshua Peña

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EDUCATION

Texas A&M University

B.S. Petroleum Engineering, *May 2026*

Cumulative GPA: 3.33

EXPERIENCE

King Operating Corporation

Dallas, Texas

Operations Engineer Intern

May 2024 – August 2024

- Created professional production and downtime dashboards in PowerBi to provide insight to the performance of wells using production rates, well forecasting via integration with ComboCurve, and downtime analysis with the use of zdSCADA
- Diagnosed and resolved poor pump performance and downhole failures in 8 rod pump wells by shooting fluid levels and analyzing dynamometer readings to optimize pump speed and increase production
- Contributed to the optimization of the ETL process by cutting code execution time down 87% using NumPy vectorization, batch processing, and Task Manager to automate the entire process daily
- Drafted AFEs totaling \$80,000 for a proposed pump replacement workover, including procuring a current and final WBD, procedure, and ComboCurve economics
- Constructed an on-premises data gateway to connect a VM with SQL Server data to a PowerBi semantic model, enabling automatic dashboard refreshes
- Participated in multiple vendor facility tours, such as a fiberglass rod manufacturing facility (Endurance Lift) and a PDC bit manufacturing facility (Ulterra)
- Shadowed field personnel on drilling, completions, production, workover, and midstream operations throughout Texas

Lowe's Home Improvement

San Antonio, Texas

Head Sales Associate

March 2022 – August 2022

- Gained experience through client interaction by consulting with contractors and account executives
- Operated forklifts and order pickers to efficiently unload and stock freight
- Assembled products such as bar-b-q pits and lawn chairs for clients and loaded items in vehicles for transport

The YMCA

San Antonio, Texas

Lead Lifeguard/Camp Counselor

February 2022 – August 2023

- Overlooked and collaborated with several groups of lifeguards who helped facilitate a safe and friendly environment for over 100,000 patrons
- Communicated with co-workers to keep campers engaged in fun and challenging activities
- Responsible for teaching individual patrons the proper techniques in swimming and basic water skills

LEADERSHIP & INVOLVEMENT

Society of Petroleum Engineers (SPE)

August 2022 – Present

Social Events Director

- Orchestrated multiple social gatherings such as the Welcome Back BBQ, SPE Trivia and Game Night, SPE x ANS Volleyball Tournament, Dia De Los Muertos diversity event, and the Crawfish Boil
- Created budgets and expense reports, managed company sponsorships and other finances
- Developed technical knowledge through attending various workshops and general meetings

American Association of Drilling Engineers (AADE)

August 2023 – Present

Community Service Committee

- Assisted in planning various workshops and charity events such as Lloyd "Pete" Hughes, networking events at Bigshots Golf, and the Aggieland Humane Society blanket drive
- Gave back to the community through fundraising for Scotty's House, volunteering at local animal shelters, participating in the Kyle Field Clean up, and organizing a group of students for The Big Event

Society of Hispanic Professional Engineers (SHPE)

August 2022 – Present

Member

- Presented meetings and guided the professional development of fellow Hispanic engineers

HONORS, SKILLS & INTERESTS

Honors: Nan & Joe Johnson '51 Scholarship, Charles A Rohan Memorial Scholarship, James H Wilkes Scholarship

Skills: Proficient in Python, PowerBi, Spotfire, Excel, Enverus, DAX, and Matlab

Interests: Football, Climbing Club, Volleyball, Video Games, Swimming, and Computer Building