Maria J. Mayorga

(979)676-6520 · mariamayorga1895@gmail.com

OBJECTIVE

Seeking an entry-level position in the petroleum engineering field. I am interested in working in different areas within the field where I can learn and develop skills for my professional growth.

EDUCATION

Texas A&M University, College Station, Texas
Bachelor of Science in Petroleum Engineering, Minor in Geology and
Engineering Project Management, May 2022

Palomar Community College, San Marcos, California
Associate in General Studies and Science with emphasis in Mathematics, May 2018

RELEVANT EXPERIENCE

OmniLYF
Sugar Land, Texas
Civil/Structural Engineering Manager Intern
Jun 2021 – Aug 2021

- Train and manage a team of aspiring civil engineers as they work on various projects provided by the company.
- Conducted work on civil engineering projects for OmniLYF such as engineering a barn in Utah. The barn's design and calculations were sent to the city of Heber for construction. I used Foundation Software including EPANET used for system pressure analysis, pipe and pumping sizing, system disinfectant analysis, system performance all with regard to the water systems. The design and analysis of structures, foundations, dams, roads, and soils by the use of engineering experience, RISA-3D, and Microsoft Office.

Texas A&M University
College Station, Texas
Diagnostic Fracture Injection Test-DFIT
Research
May 2020 – Aug 2020

- Investigated and presented to demonstrate the application of DFIT and every calculation through literature and field data collection.
- Data analysis, graph readings, and data organization.
- Concluded with a final presentation.

Ripple Match
Leadership Development
Intern
Dec 2020 - May 2021

- Leveraged various growth strategies and tools including social media, email marketing, presentations, and peer and faculty member networking to grow the user base and awareness on

campus. Strategically assessed growth and performance metrics to improve, change and/or help design new growth strategies.

Palomar College
San Marcos, California
College TA
Jan 2017 – May 2017
- Teacher assistant in math, English, and Spanish.

RELEVANT
COURSEWORK

Texas A&M University, College Station, Texas
Integrated Asset Development
January-May 2022
- Participate in the evaluation of an unconventional resource play with the focus on petroleum asset valuation. Analyzed of factors that impact the value of a property such as reserves, level of production and commodity pricing.
- Statistical data analytics, as well as engineering and geological evaluation techniques will be employed to define the value and extent of the petroleum reservoir. Probabilistic and Deterministic reserves estimation methods and reserves valuation techniques will be utilized based on Petroleum Resource Management System (PRMS). The ultimate outcome is to propose a technically justified property value and purchase price.

Student Paper Contest Participation
Jan 2021
- Create a proposal project based on the latest oil industry problems and present it to judges from companies such as Chevron, Texaco, Solar Turbines, and Schlumberger.

Texas A&M Certified Hydraulic Fracturing Course (StimPlan)
Aug 2020
- Used NSI Technologies' StimPlan to build and match hydraulic fractures in a gridded 3-D simulator of Onshore US unconventional, offshore frac-packs and North Sea reservoirs. I learned about the necessary fracture diagnostic tests required to build and history match.

Interactive Petrophysics (IP) software
Aug 2020 – Dec 2020
- Used Interactive Petrophysics software with real world examples and data from US conventional and unconventional wells to predict the amount of hydrocarbon present in a field. I learned how to create a database, import log files, save them properly for further use, and ultimately, to explore some basic capabilities of the software.

CMG Computer Modeling Group
Jan 2021 – May 2021
- Design a reservoir simulation model, construct the data set, execute the simulator, and view simulation results visually using postprocessing software.

Well Control Training
- An accreditation online program provides comprehensive well control training standards for the global drilling industry, emphasizing rigorous training for every person with well control responsibilities.

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LEADERSHIP

Philanthropy Group, Texas A&M University
Committee member, September 2019-Present
- Volunteer in and outside school events

MAES Latinos in Science and engineering, Texas A&M University
Committee member, January 2020-Present
- Promote the professional and personal development of minorities
- Mentor students pursuing degrees in engineering and science.

AADE (American Association of Drilling Engineers), Texas A&M University
Academic Development Committee Officer, September 2020-Present
- Identify and plans academic and professional development opportunities for members.
- Events may include study sessions, tutoring programs, basic software, and industry topic certification courses.

VOLUNTEER ACTIVITIES

North County Health Services, San Marcos, California
Volunteer for the Golden Years Program, July 2015 – April 2019
- Provided support to the program coordinator
- Organize presentations on mental health

North County Health Services, Agricultural Health Program, San Marcos California
Volunteer in the Agricultural Health Program, July 2015 – April 2017
- Helped twice a month with the food distribution
- Maintained sign in sheets for each month.

TECHNICAL SKILLS

- Interactive Petrophysics software
- Visual Studio Code
- Microsoft Office Suite
- Advance Excel
- CMG Computer Modeling Group
- StimPlan Version 8
- Spotfire
- Risk

- **References available upon request**