

Michael Horne

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Education

Bachelor of Petroleum Engineering (Texas A&M, In Progress)

Graduation Date: May 2025

GPA: 3.0

Experience

Precision Well Logging | Mud logger and Sample Catcher | 2023

- I improved the efficiency of the mud logging group at each well I worked on by a factor of 33%.
- I worked with the industry standard gas collection system in both oil-based and water-based mud wells.
- I collected, processed, and analyzed rock samples for industry research.
- Learned how to use the Pason gas analysis system.

Leadership

SPE Texas A&M Student Chapter | Media Co-Chair | 2023 - Present

- Edit and set up media posts to catch attention and pull good publicity toward the SPE Texas A&M Student Chapter.
- Worked with the sitting directors to increase the attendance at general meetings and specific career events such as the *Career Enhancement Event*.

Projects

Numerical Methods (PETE 301): Reservoir Pressure Simulator (2023)

I spent 40 hours over the course of 10 days with a partner building a reservoir simulator tracking the pressure flow of a producing reservoir. This project took many inputs and variables in Python and used them to create and graph the pressure in the reservoir. This project, although rudimentary allowed me to see the use of 3D pressure mapping and helped me to understand the fine-tuned details in the creation and use of reservoir simulation software.

Skills

Software: Excel, Python

Languages: English

Professional:

Teamwork: I have worked on projects with groups ranging from a single partner to 10 different people. No matter the size of the group I will help move along productive ideas and add my own when necessary.

Leadership: Although it is not my favorite position to be in, I can assume the role of leader and delegate tasks, as well as meet deadlines, I have practiced this in my collegiate group projects with varying degrees of success, though I am always striving to do better.

Certifications

- 10 Hour OSHA Certification - ISTC Safety Training
- Wellview 12 certified
- Kappa Sapir (intro level)



LinkedIn Profile