Feras Alsheikh

E-mail: ferasalsheikh2001@outlook.com

LinkedIn: https://www.linkedin.com/in/feras-alsheikh/

Mobile: +1 512 314 0204

Summary

Second-year M.Sc. student and a graduate assistant at University of Texas at Austin. Experienced in reservoir simulation, production engineering, and lab work. Looking for full-time employment upon my graduation in May 2025 and willing to relocate if necessary.

Education

University of Texas at Austin   Austin/Texas, USA

M.Sc. in Petroleum Engineering; GPA: 3.87/4.00   **August 2023 – May 2025**

Middle East Technical University   Ankara/Turkey

B.Sc. in Petroleum Engineering / minor in Earth Science; GPA: 3.48/4.00   **September 2019 – July 2023**

Work Experience

Teaching Assistant | UT Austin - PGE   **September 2024 – Present**
- o Courses: *Drilling and Well Completions*, *Geothermal/Sustainable Energy Resources*, and *Energy, Engineering, and the Environment.*
- o Duties include holding labs for students. Labs consist of experiments like core analysis and reservoir simulation.
- o Other duties: grading of assignments and exams, holding office hours to explain theoretical concepts and aid students with quantitative problems.

Graduate Research Assistant | UT Austin - PGE   **September 2023 – Present**
- o Supervisor: Dr. Wen Song
- o Micro/nano fluidics in geosystems lab.
- o Research focus: clay micro/nano wetting behavior, in scope of ion-exchange processes.
- o Research work includes batch experiments, electron and light microscopy, image analysis, and literature review.

Production Engineering Intern | Turkish Petroleum   **August 2022 – September 2022**
- o Rotational program in production and reservoir departments.
- o Well monitoring and operational maintenance for wells with artificial lifts like sucker rod pumps and gas lifts.
- o Special operations like pressure surveying after hydraulic fracturing.
- o Shadowing drilling engineers on operational directional drilling rigs to ensure operations follows drilling plan and mitigate possible problems. Performed mud cutting analysis for geology determination.

Petroleum Engineering Intern (R&D) | Turkish Petroleum   **August 2021 – September 2021**
- o Conducted core analysis experiments like Soxhlet extraction, helium porosimetry and mercury injection capillary pressure, as well as PVT experiments.
- o Conducted drilling mud and well cements experiments.

Skills

- **Software:**   Petrel (Intermediate), CMG (Intermediate), Eclipse (Intermediate), TNavigator (beginner), Microsoft Office: Excel, Word, PowerPoint (proficient).
- **Coding:**   Python (Pandas, Numpy, Scikit-Learn, Matplotlib, etc.), Data analysis, Machine learning.
- **Technical Skills:** Earth Sciences , Reservoir modelling & simulation, Artificial lift, Petrophysics, Research, Batch Experiments, Light and electron microscopy and spectroscopy (SEM, EDS, TEM, XPS), Digital rock physics.
- **Soft Skills:**   Leadership, Communication, Teamwork, Solution-oriented.
- **Languages:**   Arabic (native), English (Fluent), Turkish (Intermediate).

Certifications

- TNavigator software training certificate.
- *One Month Petrophysics Internship* completion certificate by Reservoir Solutions.