

Basil Abdelmaksoud



+974 77700174



Basilibrahim0@gmail.com



Doha, Qatar

Objective

Seeking full-time employment in the petroleum industry.

Education

Texas A&M University at Qatar

Fall 2020 - Spring 2024

- Bachelor of Science in Petroleum Engineering
- GPA: 3.395/4.

Research

Undergraduate Research Scholars Program (URS) with Dr. Harris Rabbani -

Student Researcher

August 2023 - April 2024

- Topic: **Pore-Scale Study to Investigate the Effect of Pore Geometry on Water Flooding.**
- Conducted Computational Fluid Dynamics (CFD) simulations to study the impact of pore shape on water flooding in petroleum reservoirs.
- Measured the velocities, water saturation and pressure changes during the injection; three types of pore geometry with different coordination numbers have been characterized.
- Investigated water entry dynamics based on capillary forces with an observed entry condition in which inlet pressure is larger than capillary pressure for effective infiltration.

Experience

Gas Exporting Countries Forum (GECF) -

Summer Internship

June 25, 2023 - August 14, 2023

- Conducted extensive research on methane emissions in the energy sector.
- Gained expertise in global methane emission reduction strategies such as Clean Development Mechanism (CDM), Carbon Capture Storage (CCS) and Gas Flaring.

Fifa TV Legacy Programme -

Internship

November 14, 2022 - December 3, 2022

- Participated as training sites assistant.
- Installed video cameras valued at \$36,000 each at the training site.
- Trained on proper installation techniques for video cameras, including optimal positioning, cable management, and power requirements.

Organizations

- Member of the Society of Petroleum Engineers (SPE) - Secretary **January 2021 - Present**
- Member of Petroleum Engineering Honor Society - Pi Epsilon Tau (PiET) **March 2024 - Present**

Honors & Achievements

- **Secured First Place for the 2024 Best Capstone Senior Design Team Presentation** Spring 2024
- **Outstanding Freshman Award** Spring 2021

Skills

- Arabic and English Fluent
- Organization and Time Management
- MS Excel
- Coding using Python
- Problem-Solving
- Strong Communication Skills
- Software - Petrel, Techlog, SGeMS

References

Dr. Albertus Retnanto

- **Position:** Program Chair and Professor of the Practice
- **Email:** Albertus.retnanto@qatar.tamu.edu
- **Office Number:** +974 4423 0281

Dr. Mohamed Fadlemula

- **Position:** Instructional Associate Professor / ABET Coordinator
- **Email:** Mohamed.fadlemula@qatar.tamu.edu
- **Office Number:** +974 4423 0438

Dr. Harris Rabbani

- **Position:** Engineering Assistant Professor
- **Email:** harris.rabbani@qatar.tamu.edu
- **Office Number:** +974 4423 0460