

Shabeeb Hayajneh

Location: Qatar - Doha

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Education

Texas A&M University at Qatar (TAMUQ)
Bachelor of Science in Petroleum Engineering
Cumulative GPA: 3.23 | Major GPA: 3.34

Expected Graduation Date: May 2022

Experience

Teaching Assistant at TAMUQ under the supervision of Dr. Mahmood Amani [Sep.2020-Present]

- The **first** undergraduate to be selected as a Teaching Assistant for both Drilling courses
- Monitor students' work level in designing and developing a drilling and casing plan, which includes mud selection for every part of the well, bit size for every part of the hole, size, and type of casing to be used, and cement selection
- Work closely with the faculty and students to **identify issues** students are having and **develop appropriate solutions**
- Assist faculty instructor with the development of course plans, preparation of lesson materials, and grading assignments providing accurate and timely feedback.

Research Assistant at TAMUQ under the supervision of Dr. Harris Rabbani [Dec.2020-Present]

- Investigate the effect of wettability and viscosity ratio on the pore-scale dynamics of immiscible displacement using a computational fluid dynamic (CFD) modeling approach in a heterogeneous porous media.
- Presented in the SPE Middle East and North Africa Virtual Student Paper Contest, and my paper was **selected** as one of the **top 10** in the competition
- Currently expanding the research topic and preparing a **thesis in the Undergraduate research scholar at TAMU**
- Perform simulation and post-processing using HPC, OpenFOAM, and ParaView
- Process, organize and summarize numerical results,
- Selected to **lead** the research **team**, which includes four students from the PETE and MEEN departments.
- Serve as the point of contact with partners record, track, and ensure completion of action items promptly

International Research Internship at TAMU in Texas under the supervision of Dr. Debjyoti Banerjee [May.2021-Aug.2021]

- Awarded a **full scholarship** to travel to Texas and work with a team of graduate students on improving the Solar Thermal Desalination Of Oilfield Brines Using Nanogels.
- Synthesized Nanocomposites; reduced the synthesis cost by **80%** and, boosted energy storage by a factor of **2**.
- Performed data analysis and identified the root cause of errors with experiment setups, and developed recommendations for minimizing measurement uncertainty.

Retail Sales Assistant, Irbid City Jewelry in Jordan [May. 2020 - Aug. 2020]

- Helped in assessing Customers' needs through open, and targeted communication, and recommended appropriate alternatives, and handled all financial transactions.
- Monitored the online presence of the company's brand and engaged with users, strengthening customer relationships

Research Assistant at TAMUQ under the supervision of Dr. Mohamed Fademula [Dec.2018-May.2020]

- Focused on routine fluid studies, such as the selection of the most suitable samples, mathematical recombination, constant composition expansion (CCE differential liberation experiment (DLE), and pressurized fluid viscosities.
- Examined advanced fluid studies such as miscibility studies using slim tubes

Leadership

President [May.2021-Present] and Events coordinator [May 2020-May 2021] Society Of Petroleum Engineers Student Chapter at TAMUQ (SPESC)

- Plan all parts of events including logistics, managing members and volunteers, communicating with vendors, and promotion.
- Communicating regularly with other officers; chapter members; sponsoring section; faculty advisor and SPE staff regarding chapter plans, needs, and challenges.
- Ensure officers adhere to their constitutional responsibilities, and the chapter complies with all SPE policies
- Continuously work on recruiting more members and reiterating the importance of joining the society.

The Treasurer of the Peace (TPC) & Math Club at TAMUQ [May 2020- Present]

- Handle the requirements, planning, booking, and all finances of chapter events. This includes, but is not limited to, all event logistics, catering, and scheduled activities for each event and keeping track of inflow and outflow of cash to and from the society.
- Coordinate with the university's student affairs, event teams, and other departments to obtain all necessary authorizations.

ADIPEC University Program Middle East and North Africa Region [Oct.2021]

- Nominated by the PETE department to lead a team of the top three juniors to propose a solution to achieve net-zero carbon target using hydrogen energy; my team was selected as one of the **top 10** in the program.

Leader of the year award winner at TAMUQ [May.2021]

- Displayed excellent leadership qualities in and around the campus, inspiring the growth of senior members in SPE and TPC
- Managed to come up with creative ideas to spark the interest of students and truly engaged them
- Directed the momentum of two huge events involving Aggies as well as students from other campuses

Student Leadership Exchange Program at TAMU in Texas [Mar.2019]

- Selected as one of **twenty** leaders to represent TAMUQ, and traveled to Texas to engage in leadership workshops, cultural events, campus tours, selfless service experiences, while learning together about leadership in a global society

Software Skills

Petrel, Techlog, Ecrin, PIPESIM, SGeMS Open foam, Fiji, Python, and Microsoft office (Word, Excel & PowerPoint)