Ehab Rabah

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Education

Texas A&M University, College Station, TX — May 2025
Master of Engineering in Petroleum Engineering (GPA: 3.9)

Lebanese American University, Byblos, Lebanon — May 2020
Bachelor of Engineering in Petroleum Engineering (GPA:3.2)

Work Experience

Petroleum Supply Specialist — July 2021 - Dec 2024
US Army, USA

- Led a team of five soldiers in efficient and safe distribution of petroleum products.
- Mentored and trained junior personnel, improving technical knowledge and capabilities.
- Performed presidential services by handling fuel issued to presidential aircrafts.
- Analyzed fuel consumption trends and operational data to reduce waste and ensure readiness.
- Provided regular briefings and reports to senior leadership on fuel operations status.

Engineering Intern — July 2019 - Sep 2019
Denholm Yam Contracting Company, Abu Dhabi, UAE

- Supported the project execution and commissioning of a Sulphate Reduction Plant designed for offshore deployment on a Technip rig.
- Collaborated with multidisciplinary engineering teams to ensure compliance with offshore standards and project specifications.
- Gained hands-on exposure to offshore facility design principles and operational readiness testing.

Other Experience

Graduate Researcher, Texas A&M University — June 2025
Unconventional Resources Technology Conference (URTeC) Paper #4240753

- Co-authored peer-reviewed conference paper analyzing dynamic stress effects on production decline in over 100 Haynesville shale gas wells across Texas and Louisiana.
- Identified up to 57% average production loss due to stress-related effects, demonstrating critical implications for well completion design and reservoir management.
- Proposed new semi-log correlation and type-curve analysis techniques to estimate stress effect, aiding in rapid fracture diagnostics and completion design evaluation.

Undergraduate Researcher, Lebanese American University — May 2020

- Conducted comprehensive techno-economic and environmental analysis of shale gas reservoir development using KAPPA-Rubis simulation software.
- Designed and simulated multiple well configurations across four optimized development scenarios to enhance recovery efficiency.
- Integrated detailed cost modelling of drilling, completion, and production phases to assess project feasibility, with scenario costs ranging from $8M to $19M.
- Evaluated environmental trade-off analysis of hydraulic fracturing, addressing water usage, air emissions, land use, and chemical risks.

Relevant skills

- Software Proficiency: MS Word, MS Excel, MS PowerPoint, ComboCurve, ERA, Prosper (Well System Analysis), SolidWorks, MBAL, KAPPA.
- Teamwork & Leadership: Team-oriented, experienced team leader, lead multiple tasks efficiently.
- Communication: Strong written and verbal communication skills.
- Language skills: English (fluent), Arabic (fluent).