Mohamed (Mo) Zubia

Petroleum Engineering (MSc) Graduate

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Professional Profile

A highly driven, motivated, and dependable Petroleum Engineering graduate, with a First-Class Bachelor of Engineering. Recently graduated with a Master of Science with Distinction in the same field, specialising in Reservoir Simulation and Enhanced Oil Recovery (EOR). Experienced in practical work through numerous projects, internships, and work experience placements. Exceptional written and verbal communication skills, with a demonstrable track record in successfully embracing and thriving in new challenges, scenarios, and environments. Confident working both independently and as part of a team. Looking to begin an exciting and successful career in the field of Reservoir Engineering.

Career Summary

Jun 2018 – Jul 2018

Maths and Physics Intern

Academies Enterprise Trust

Assisted teachers and subject experts by supporting students and managing behaviour during lessons.

KEY ACHIEVEMENTS

- Successfully designed and delivered lessons to students, learning from mistakes, and gaining exceptional presentation and communication skills.
- Researched alternate methods for teaching complex mathematical concepts to students in a concise, understandable, and informative manner, presenting findings to teachers and subject experts.
- Proactively decided to focus attention on working with students with special needs.

Feb 2017 – Jul 2017

Reservoir Engineering Intern

Eni North Africa B.V.

Developed understanding of Static and Dynamic Gradient Surveys. Supported Slickline and Field engineers perform the Greasing Campaign for Christmas Trees (XMTs). Mapped out the field using Petrel and Techlog, interpreting the data obtained from Openhole Logs to predict the presence of hydrocarbons. Assisted at the University of Tripoli.

KEY ACHIEVEMENTS

- Successfully completed a simulation of a producing field and advised on certain areas where future Enhanced Oil Recovery (EOR) techniques could be implemented during a presentation to senior management.
- Showed initiative to lead and teach a TechLog class to university students. This helped develop my presentation and communication skills.
- Effectively utilised data from Deliverability Tests to measure a well's production capabilities and Well Bore Damage.
- Working with the HSE team, ensured only relevant personnel were present during the greasing campaign and made sure all safety equipment was worn at all times.

Oct 2014 – Nov 2019

Crew Trainer

McDonald's Corporation

Trained McDonald's crews and assisted management team effectively. Developed exceptional communication and leadership skills.

KEY ACHIEVEMENTS

- Finished Top of the Class in Crew Trainer Course.
- Awarded Trainer of the Quarter on two separate occasions for outstanding training of teams.
- Ensured the implementation of high standards of hygiene and customer service on a consistent basis.

Projects

2020 **Master's Group Design Project (Field Development Plan) - Lead**
Formation Evaluation, Core Analysis, PVT Analysis, Reservoir Engineering & Simulation and Economic Analysis

2020 **Individual Research Project (Thesis)**
Reservoir Simulation, Literature Review, Enhanced Oil Recovery and Petroleum Economics

2019 **Bachelor's Group Design Project - Lead**
Reservoir Simulation, Field Development and Reservoir Economics

2019 Well Design Project – Casing seat selection and Casing, Mud and Cement Design

2018 Hazard and Operability (HAZOP) Study – P&ID Analysis, Hazard Identification Evaluation & Resolution Proposal

Honours, Awards and Certifications

2020 Highest Overall Grade – Individual Research Project **(Heriot-Watt University)**

2019 BP Scholarship - MSc Petroleum Engineering **(Heriot-Watt University)**

2019 Highest Overall Grade – Bachelor's Group Design Project **(University of Manchester)**

2017 International Well Control Forum (IWCF) Level 1 Certificate Training – Basic Well Control Awareness

Education

2019 - 2020

Master of Science - Petroleum Engineering **(Distinction)**
Heriot-Watt University

THESIS
Maximising Oil Recovery Through Thermally-Activated Polymer Placement

NOTABLE MODULES
Reservoir Engineering | Reservoir Simulation | Petroleum Economics | Production Technology | Well Test Analysis

2014 - 2019

Bachelor of Engineering - Petroleum Engineering **(First-Class)**
University of Manchester

NOTABLE MODULES
Reservoir Engineering and Field Development | Reservoir Performance and Simulation | Formation Evaluation | Drilling Engineering | Process Fluid Dynamics

Publications

Zubia, M. et al., [2021]. *Maximising Oil Recovery Through Thermally-Activated Polymer Placement,* 21st European Symposium on Improved Oil Recovery, Vienna, Austria, 20-22 April 2021.

Competencies

Technical Skills

Python
MATLAB
HTML5
CSS3
Petrel
Eclipse (E100)
CMG Packages
Techlog

Languages

English
Arabic
French
Spanish

Volunteer Experience

2019-20 Communications Secretary - Society of Petroleum Engineers (SPE) Student Chapter – Heriot-Watt University

2018-19 President - Society of Petroleum Engineers (SPE) Student Chapter – University of Manchester

2013-18 Volunteer Assistant Teacher – Hathershaw College

Interests

Harry Potter | Languages | Rugby | Personal Training