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**Education**

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**Colorado School of Mines, Golden, CO** **May 2021**  
Master of Science – Petroleum Engineering GPA: 4.00

**Awards & Scholarships**

- **SPWLA Foundation Scholarship and Grant 2020.**  
Grant provided for research in carbonate petrophysics.
- **SPWLA PDDA's Machine Learning Contest 2020 – 3<sup>rd</sup> Place.**  
Compiled a Random Forest ML algorithm for Prediction of Sonic Compressional and Shear Logs from a Set of Other Well Logs from Equinor's Volve Field.

**Kazakh-British Technical University, Almaty Kazakhstan** **Jun 2011**  
Bachelor of Science – Petroleum Engineering GPA: 3.47

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**Industrial Experience**

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**Halliburton Energy Services, Al-Khobar, Saudi Arabia** **Oct 2012 – Sep 2015**  
**Field Engineer** on a Wireline Logging and Perforating team in support of Saudi Aramco Exploration projects.

- Designed tens of wireline and perforating services worth >\$500 thousand.
- Managed crews of 3-5 people as a wireline field engineer.
- Led >20 high profile offshore/onshore wireline and tubing-conveyed operations in Saudi Arabia. Trained several trainee field engineers in safe offshore/onshore operations.
- Accomplished several trainings on safe logging operations and operating principles of Triple Combo tools, sonic, NMR, and Imaging tools in the Halliburton Fort-Worth Training Center, TX.

**KazTransOil, Almaty, Kazakhstan** **Jun 2016 – Oct 2018**  
**Lab Researcher and Innovation Engineer** on Oil Flow Assurance R&D Team.

- Successfully finished 3 projects on the effect of various paraffin wax depressants and asphaltene inhibitors.
  - Proposed a project on remediation of paraffin wax and scale depositions using fused exothermic chemical reactions.
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**Academic Experience**

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**Colorado School of Mines, Golden, CO** **May 2020 – Aug 2020**  
**Graduate Research Assistant** at Center for Rock and Fluid Multiphysics.

- Studying poroelastic properties of carbonate samples by simultaneous NMR and ultrasonic experiments under confining pressure.

**Geophysical Surveyer** in a project "Geophysical Investigation of Fault Zone Aquifers and Water Quality Assessment" in Yaounde, Cameroon provided by Geoscientists Without Borders grant by the Society of Exploration Geophysicists (SEG) Foundation.

**Teaching Assistant** for a graduate class PEGN519/GPGN 519 – Advanced Formation Evaluation.

- Taught students how to perform a quick basic well log interpretation on-site and how to perform more sophisticated petrophysical analysis on Techlog.
- Built and graded several brand new homeworks for the class, including a Machine Learning HW.

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### **Programming and Technical Skills**

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- Rock physics, formation evaluation, well logging, MWD, LWD, fluid flow in porous media, finite-difference modeling, numerical simulation, thermodynamics, PTA, perforation, acid stimulation and hydraulic fracturing design, 3D CT scan reconstruction, data science, artificial intelligence.
- Safe lab operations, chemical use, multiphysics experiments.
- Ultrasonic measurements, NMR experiments, CT scans, porosity and permeability tests, Soxhlette extraction, dynamic and kinematic viscosity measurements.
- Python, MATLAB, GOHFER 3D, Techlog, Petrel, Eclipse 100, CMG, Segmenter modeler.
- MS Excel, Word, Outlook, Zoom, LaTeX

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### **Professional Activities & Membership**

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- Society of Petrophysicists and Well Log Analysts
- Denver Well Logging Society
- Society of Petroleum Engineers