FIDAN IBRAHIMOVA

GRADUATE PETROLEUM ENGINEERING STUDENT

979-534-6976 | fidanibrahimova@tamu.edu | College Station, TX, 77840
https://www.linkedin.com/in/ibrahimova-fidan

SUMMARY

A highly motivated and results-driven graduate Petroleum Engineering student with a strong passion for the energy sector, particularly in geothermal drilling and the integration of Data Analytics and Machine Learning into oil & gas operations. Actively seeking a summer internship to apply the knowledge and skills gained from academia in a real-world industry environment. Open to relocation .

EDUCATION

Texas A&M University, College Station, TX **Aug 2024 - May 2026**
Master of Science in Petroleum Engineering
- Relevant coursework: Machine Learning & Data Analytics with Python, High Performance Drilling Design & Operational Practices, Advanced Numerical Methods for Reservoir Simulation
- Current GPA: 3.6/4.0

Azerbaijan State Oil and Industry University, Baku, Azerbaijan **Sep 2020 - July 2024**
Bachelor of Science in Petroleum Engineering
- Thesis title: Methods of Reduction of Flare Gas Emissions in Offshore Platforms
- Final CGPA: 95.65/100
- Graduated with Distinction/Top of Class

RESEARCH EXPERIENCE

Texas A&M Engineering Experiment Station, College Station, TX **Sep 2024 - present**
Wells for the Future Consortium, Drilling Systems Research Group
Graduate Research Assistant
- Current Project: Contextual Rig State Detection using Finite State Machines (FSM) via Python
- Master Thesis Research Project: Quantifying the potential of Hybrid Steel and Titanium Drill Strings for Enhanced Geothermal Systems using DrillScan software and UTAH Forge Data
- Assisting in Teaching Drilling Systems Labs (Pete 225)

INTERNSHIP EXPERIENCE

Turan Drilling and Engineering Company LLC, Baku, Azerbaijan **Feb 2024 - May 2024**
A Joint Venture between KCE Deutag & SOCAR AQS Company
Drilling and Engineering Operations Intern

- Engaged in offshore crew training sessions by participating in meetings and calls
- Analyzed company operations from both employee and managerial perspectives

State Oil Company of Azerbaijan Republic (SOCAR), Baku, Azerbaijan **Oct 2023 - Dec 2023**
Drilling Engineering Intern

- Optimized well design, bit hydraulics, and torque & drag using "WellPlan" and designed well trajectories and assessed anti-collision risks using "Compass"
- Evaluated casing grades by analyzing burst, collapse, and axial loads with "StressCheck"

SKILLS

MS Office Programs Canva	Python	Data Analysis Machine Learning	Landmark(COMPASS, StressCheck, WellPlan)

- **Competitions:** DrillBotics (2026), Petrobowl(2025), Geothermal College Competition 2024 (Technical)
- **Languages:** English, Russian, Turkish, Azerbaijani (native)