Adejumo Iyinoluwa

Edmonton, AB | 825.461.6947 | iyinade64@gmail.com | https://github.com/Rum2y | https://www.linkedin.com/in/iyinadejumo

EDUCATION

University of Alberta **2020-2025**
Major: Petroleum Engineering, BSc

WORK EXPERIENCE

Web Developer Research Assistant
University of Alberta – Edmonton, AB **06/2023 – 08/2023**

- Collaborated on developing an AI tool for creating apps using **TypeScript** and **React** on the MecSimCalc platform.
- Assisted with the building of features that support users through the development processes of applications.
- Contributed to front-end development, by providing responsive and user-friendly interfaces.
- Gained expertise in integrating AI with modern web development frameworks.

Sales Associate, American Eagle – Edmonton, AB **06/2023 - Present**

- Delivered outstanding customer service to guarantee a satisfying shopping encounter.
- Consistently met or exceeded sales targets through effective product knowledge and selling techniques.
- Worked together with teammates to resolve any operational problems that impacted customer support.
- Maintained orderly and aesthetically pleasing store displays to draw in customers.

VOLUNTEER EXPERIENCE

Society of Petroleum Engineers (SPE) Volunteer
University of Alberta – Edmonton, AB **07/2024 – Present**

Website Developer for the Petroleum Engineering Department

- Developed and designed the official website for the Petroleum Engineering Department, improving accessibility and information dissemination.
- Collaborated with faculty members to ensure accurate representation of research groups, professor profiles, and department activities.
- Integrated responsive design and user-friendly navigation using React and Tailwind CSS.
- Helped the team organize events throughout the year.

PROJECT EXPERIENCE

Petroleum Production Operations
Reservoir Engineering (PET E 366) - University of Alberta **01/2024 – 04/2024**

- Designed and optimized artificial lift systems (Gas Lift and ESP) to increase oil production rates from under-saturated carbonate reservoirs.
- Achieved wellhead pressure matching within ±20 psi using OLGAS 2-phase flow model in PIPESIM.
- Performed tubing sensitivity analysis, selecting optimal diameters (3–3.5 in) for maximum flow rates across three wells.
- Designed Gas Lift systems resulting in oil flow rates of up to 3,059 STB/day; ESP systems produced up to 3,020 STB/day with a power requirement of 42 hp and 36 pump stages.
- Conducted nodal and sensitivity analyses to ensure compatibility with minimum target operating conditions and optimized oil recovery.

Design of Bits Hydraulics Program
Drilling Engineering (PET E 364) - University of Alberta **09/2023 – 10/2023**

Design of a Bit Hydraulics Program for a 14,000 ft Well.

- Developed a hydraulic design program for a vertical well, recommending optimal drilling fluid flow rate and bit nozzle sizes to maximize hydraulic energy and drilling rate. Determined specifications for drilling fluid pumps, considering technical feasibility, safety, and economic factors.

SKILLS & ABILITIES

- Coding (Frontend Developer): HTML, CSS, JavaScript, TypeScript, React, Node, Git.
- Problem solving
- Communication
- Microsoft Office (Word, Excel, PowerPoint)
- Team Collaboration