Adejumo Iyinoluwa

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PROFESSIONAL SUMMARY

- Petroleum Engineering student with a background in web development and a passion for integrating technology into practical applications.
- Seeking opportunities to apply expertise in engineering and programming to innovative projects.

EDUCATION

University of Alberta – Petroleum Engineering, BSc **September 2020 – April 2025**

WORK EXPERIENCE

Frontend Web Developer **June 2023 – August 2023**
MecSimCalc – Edmonton, AB

- Collaborated on developing an AI tool for creating apps using **TypeScript** and **React** on the MecSimCalc platform.
- Gained expertise in integrating AI with modern web development frameworks.

Sales Associate, American Eagle – Edmonton, AB **June 2023 – Present**

- Delivered outstanding customer service to guarantee a satisfying shopping encounter.
- Exceeded sales targets through effective product knowledge and selling techniques.
- Maintained orderly and aesthetically pleasing store displays to draw in customers.

VOLUNTEER EXPERIENCE

Society of Petroleum Engineers (SPE) Volunteer – VP Tech **July 2024 – Present**
University of Alberta – Edmonton, AB

- Developed and designed the official website for the SPE group, improving accessibility and information dissemination.
- Collaborated with team members to ensure accurate representation of research groups, team member profiles, and group activities.
- Collaborated in organizing and coordinating events aimed at engaging students and professionals.

PROJECT EXPERIENCE

Petroleum Production Operations **January 2024 – April 2024**
Reservoir Engineering – University of Alberta

- Optimized artificial lift systems (Gas Lift and ESP) to enhance oil production in 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.
- Conducted thorough nodal and sensitivity analyses, ensuring solutions met technical and economic feasibility.

Design of Bits Hydraulic System **September 2023 – December 2023**
Drilling Engineering – University of Alberta

- Developed a hydraulic design program for a 14,000 ft 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

- **Technical Skills**: HTML, CSS, JavaScript, TypeScript, React, Node.js, Git
- **Soft Skills**: Problem-solving, Communication, Team Collaboration, Project Management
- **Tools**: Microsoft Office (Word, Excel, PowerPoint), PIPESIM (Well Simulation)
- **Certifications**: Wellbore and Pipeline Modelling using PIPESIM