MICHEL ROSEMOND

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CAREER OBJECTIVE

I am an electrical engineer graduate passionate about programming and machine learning. Currently honing my expertise through a rigorous AI internship program with Integrative Nanotech Ltd., I am eager to leverage this knowledge and contribute to impactful projects.

SKILLS

Programming Language: Python | JavaScript | HTML | CSS | SQL
Frameworks: PyTorch | Scikit Learn | Pandas | TensorFlow | Flask | NodeJS | ReactJS
Database Management: PostgreSQL | MongoDB
Certification: Microsoft Azure AI Fundamentals
Other: Fine-tuning large language models | data analysis | signal processing

WORK EXPERIENCE

AI & Data Analyst Intern
Integrative Nanotech Ltd. | April 2024 – Current

- Developed and implemented machine learning models in AWS SageMaker for time-series datasets, enhancing predictive accuracy and reliability of hydrogen sensors.
- Utilized Python for advanced statistical mathematics and algorithm development, streamlining complex data processing tasks.
- Created compelling data visualizations to communicate insights and findings effectively to support data-driven decision-making.

Bilingual Financial Service Representative
Manulife Bank of Canada | Nov 2021 – Aug 2023

- Educated clients on various self-service channels to make personal banking more flexible for their lifestyle.
- Established, retained, and grew the bank's business by achieving both individual and team stats goals that supported a positive customer experience, and awarded Employee of the Year as a result.
- Promoted to bilingual senior representative to support new hires and improve client experience through data collection and analysis.

Electronics Repair Technician
Geebo Device Repair Inc. | Sep 2018 – Sep 2021

- Planned and performed several repairs daily while maintaining a high level of customer satisfaction.
- Successfully managed a store, which resulted in a 20% increase in positive reviews.
- Promoted to operate the central store and to supported the six stores in Halifax Regional Municipality through online client inquiry, email support and inventory management across all stores.

RELEVANT PROJECTS

Bookmark Application   **GitHub Link**
Nova Scotia Community College | March 2024 – April 2024
- Developed and maintained web UI components using **JavaScript**, **CSS**, **HTML**, and **React** framework, ensuring responsive, intuitive, and user-friendly interfaces.
- Worked closely with team members using **Git** for version control while following agile development practices.
- Engineered **RESTful APIs** using **Flask** in Python to facilitate data management infrastructures in **MongoDB**.
- Utilized pre-trained AI models in **Azure** to implement natural language processing techniques.

Neural Networks Project   **GitHub Link**
Nova Scotia Community College | November – December 2023
- Designed a web application prototype that uses an Artificial Intelligence technique to recognize handwritten numbers, leveraging the **Streamlit** framework.
- Developed and implemented a convolutional neural network in Python using the **PyTorch** framework in **Google Colab**.
- Collaborated with peers to train the neural network on the MNIST dataset and achieved an accuracy score of above 98%.

EDUCATION

IT Programming for AI   **2024**
Nova Scotia Community College | Halifax, N.S.

Bachelor of Electrical Engineering   **2018**
Dalhousie University | Halifax, N.S.

References available upon request