Quinton Mak

https://quintonmak.github.io/React-Website/

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Technical Skills

Languages: Python, SQL, HTML/CSS/JavaScript
Technologies: Numpy, Pandas, Tensorflow, SQL Server Management Studio
Tools: Git, Github, VSCode, Linux, Bash, Jira, Bitbucket, Jupyter Notebooks

Relevant Experience

Mackenzie Investments
Software Developer   *May 2023-August 2023*

- Maintained and improved **Python** based data pipelines integrated with a **SQL Server** database.
- Created processes for handling non-standard data sources such as missing or duplicated data.
- Developed an automated system for identifying holidays, reducing the number of error emails to the support team caused by such occurrences.
- Ensured functionality of the code by testing in the **Linux** server.

North York Chinese Baptist Church
Developer   *August 2022 - September 2022*

- Used **Javascript** to retrieve data from church database and clean the data to display on church website.
- Communicated how to use the new features of the database system to non-technical team members.
- Automated formatting and input of 100+ entries from church database to a spreadsheet with **Google Sheets** API.

Waterloo Experience Accelerate Program - Manulife Stream
Project Team Member - Affordable Self Storage, Toronto   *May 2022 - August 2022*

- Retrieved and sent data to a storage facility's online system using **HTTP** requests.
- Collaborated with 4 other group members using **Git** and **Github**.
- Automated business processes such as sending emails and text messages.

Projects

Scotiabank Data Science Discovery Days   *January 2023*

- Cleaned **80000**+ rows of data using **Pandas** to train the fraud detection model.
- Detected fraudulent transactions with a neural network using **Python** and **Tensorflow**.
- Achieved **95%** accuracy and **0.96** F1 score.

HawkHacks 2022: Geodude   *May 2022*

- Collaborated with a team to build a Discord bot in **Python** that plays the game Geoguessr.
- Loaded geographical data with **google_streetview** and **googlemaps** APIs.
- Stored possible locations in Excel files and accessed the data using **pandas** and **SQL**.
- Won award for Best Discord Bot.

Education and Development

University of Waterloo   **Waterloo, ON**
Candidate for Bachelor of Mathematics (Data Science) (**GPA:** 3.96/4.00)   *September 2021 - May 2026*

Coursera
Supervised Machine Learning: Regression and Classification   *September 2022*
Advanced Learning Algorithms   *October 2022*
Unsupervised Learning, Recommenders, Reinforcement Learning   *January 2023*