Ben Xiao

Software Developer & Machine Learning Engineer

▼ benxiao289@gmail.com

benxiao.io

in linkedin.com/in/benxiaoio

github.com/Benoolean

Experience

BlackBerry QNX

Sep 2021 - Dec 2021

Machine Learning Engineer

🎩 Ontario, Canada

- Leveraged Python multiprocessing to reduce data extraction and processes by 72%.
- Used TensorFlow to create LSTM and CNN models for classifying false positives in static code analysis to increase safety certification performance and accuracy.
- Created analytic tools and visuals in React and Python to help diagnose processes in multivariate regression analysis.

TypeScript SQL Machine Learning NLP

Deep Learning

Rogers Communications

Jan 2021 - Apr 2021

Software Developer

Ontario, Canada

- Designed time series forecast models in Python to predict and simulate 5G technology data usage from 5 million users.
- · Built Canada-wide KPIs dashboard using Node.js and Python to help visualize data in real time and alert for irregular patterns for the analytics team.
- · Optimized graph manipulation processes by applying Kruskal's and Prim's algorithms in repository layers which reduced runtime by 68%.

Flask Machine Learning Python TypeScript Node.js Deep Learning

The Weather Network

May 2020 - Aug 2020

Software Developer

Ontario, Canada

- · Scripted efficient heavy load SQL queries in GCP BigQuery to reduce data retrieval costs.
- · Refactored Airflow instances in Python to streamline multiple tasks, reducing runtime caused by IO-bound processes.
- · Developed live data visuals using Python's Flask and Plotly frameworks as a crucial debugging tool for data engineers.
- · Detected anomalies in weekly data using machine learning with Python to notify teams to launch a deeper investigation.

Python Flask **Machine Learning**

BDO May 2019 - Aug 2019 🔥 Ontario, Canada

Full Stack Developer

- · Created enterprise solutions using .NET Core with Angular integration to boost and monitor Ontario's agriculture industry.
- · Implemented dimension reduction techniques in multilayer data to linearize runtime for index and search operations.

.NET **Angular**

Python TypeScript SQL Node.js Flask Django Machine Learning NLP Deep Learning React **Angular**

Education

University of Waterloo