Sam Zhang

(438) 630-2638 | sam.zijing.zhang@gmail.com

linkedin.com/in/zhang-sam | github.com/SamZhang02 | cs.mcgill.ca/∼szhang139

EXPERIENCE

Machine Learning Intern | *TensorFlow, Python, Scala, Java, SQL*　　　　　　　May. 2023 - Present

Meituan　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Shanghai, China*

- Contributed to Meituan, the largest local life service platform in China's advertisement recommendation system.
- Participated in the research and development of the click-through rate (CTR) model for the Dianping app's homepage ad.
- Conducted various offline experiments to evaluate model performance and iteratively improved the models.
- Performed big data analysis and feature engineering using the **Hadoop ecosystem (Hive, Spark, . . .)**
- Modeled, trained, and fine-tuned the models using **TensorFlow**.

PROJECTS

mcgill.courses | *TypeScript, React, TailwindCSS, Rust, MongoDB*　　　　　　April. 2023 - Present

- Developed an open-source, ad-free search and review platform for courses offered and instructors teaching at McGill University.
- Responsible for the front-end development of the website using **TypeScript**, **React**, and **TailwindCSS**.
- Collaborated with the back-end, interacting with the **Rust** and **MongoDB** components through REST APIs.

LaTeX Algorithms | *TypeScript*　　　　　　　　　　　　　　　　　　　　　　　Feb. 2023

- Developed a **TypeScript** plugin for the Obsidian markdown editor that parses user input and automatically replaces it with the corresponding LaTeX shortcut, streamlining the writing of algorithm blocks and mathematical proofs.

STONK | *Python, SQLite*　　　　　　　　　　　　　　　　　　　　　　　　　　Dec. 2022

- Created a Discord chat bot using the Discord.py library and the yfinance open-source library, enabling users to query live and historical stock market information.
- Implemented a robust stock information retrieval mechanism and a subscription system for users to receive automatic notifications on market trends.

EDUCATION

McGill University　　　　　　　　　　　　　　　　　　　　　　　　　　　Montreal, QC

B.A., Joint Computer Science and Statistics　　　　　　　　*Sept. 2022 – May 2025 (Expected)*

GPA: 3.94/4

Champlain College　　　　　　　　　　　　　　　　　　　　　　　　　　St-Lambert, QC

DEC, Social Science: Commerce　　　　　　　　　　　　　　　　　　*Aug. 2020 – May. 2022*

Social Science Certificate of Merit: Highest Achievement in Economics

TECHNICAL SKILLS

Languages: Python, TypeScript, Java, JavaScript, OCaml, C++, Scala, SQL

Databases: SQLite, PostgreSQL, MongoDB

Frameworks & Libraries: React, TailwindCSS, TensorFlow

Tools: Git, HTML/CSS, LaTeX, Spark, HDFS

Languages Spoken: English, French, Mandarin, Cantonese