

Sam Zhang

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EXPERIENCE

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

- Contributed to Meituan's advertisement recommendation system, the largest local life service platform in China.
- Researching and developing the click-through rate (CTR) model for the Dianping app's homepage ad.
- Conducting offline experiments to evaluate model performance and iteratively improved the models.
- Performing big data analysis and feature engineering using the **Hadoop ecosystem (Hive, Spark, ...)**
- Modeling, training, and fine-tuning 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.

TECHNICAL SKILLS

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

Databases: SQLite, PostgreSQL, MongoDB

Frameworks & Libraries: React, TailwindCSS, TensorFlow

Tools: Git, HTML/CSS, L^AT_EX, Spark

Languages Spoken: English, French, Mandarin, Cantonese

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