

Education

University of Toronto

M.Eng., Computer Engineering

Jan. 2024 – Jun. 2025

Beijing University of Posts and Telecommunications

B.Eng., Software Engineering

Sep. 2019 – Jun. 2023

Work Experience

Microsoft

Software Engineer Intern

Feb. 2023 – Dec. 2023

- Researched AutoML solution between **Azure Machine Learning** and **Azure Databricks**, evaluated performance and efficiency, analyzed user experience from different user aspects.
- Contributed to the open-source **AutoML** and **Hyperparameters Optimization** library **FLAML** on **Github**.
- Initiated the internal version of FLAML for **Microsoft Fabric** and contributed **100+ PRs**.
- Enlarged Machine Learning model pool for AutoML by adding 15+ Machine Learning models based on **PyTorch Lightning**, **PySpark MLib**, **Statsmodel** and **Scikit-Learn**.
- Integrated multiple **MLOps** services of Fabric platform **MLFlow** to FLAML, including ML experiment tracking, management, analysis, visualization, artifacts logging and model deployment.
- Developed Autonomous Feature Engineering combining with **LLM Agent**, utilizing **AutoGen** project.

National University of Singapore

Undergraduate Research Assistant

Apr. 2022 – Feb. 2023

- Participated in a research project focusing on **Event Forecasting** with **Temporal Knowledge Graph** at the NExT++ Centre, School of Computing.

Tsinghua University

Undergraduate Research Assistant

Aug. 2021 - Apr. 2022

- Worked on **Computer Vision** problems of style transfer for hand-drawn sketches at the Institute of HCI and Media Integration, Department of Computer Science.

Side Projects

D2Helper

Full-Stack Web Application for Destiny 2

- A Destiny 2 information and tracking tool with a **4,000+** user base.
- Built a modern user interface using **JavaScript** and **CSS**.
- Implemented **RESTful API** backend service using **Flask** with **MySQL** cloud database.
- Used **Docker** for deployment on Tencent Cloud's **Serverless** Application.

AutoGen

A programming framework for Agentic AI

- Active contributor of this **25,000+** stars open-source project, reviewed and proposed multiple PRs.
- Integrated **Anthropic Claude** models as alternative foundation model for LLM Agent.
- Social cognitive science simulation, using multi-agent conversation and **RAG** with **Knowledge Graph**.

Technical Skills

Python, JavaScript, Java, Machine Learning, Deep Learning, LLM application, PySpark, Azure, Git, Github, Flask, MySQL, MongoDB.