Wendong Li
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Education

University of Toronto

M.Eng. in Computer Engineering   Jan. 2024 – Jun. 2025

Beijing University of Posts and Telecommunications

B.Eng. in Software Engineering   Sep. 2019 – Jun. 2023

Professional Experience

Microsoft

Software Engineering Intern   Feb. 2023 – Dec. 2023

· Investigated and **benchmark** AutoML solution between **Azure Machine Learning** and **Azure Databricks**.
· Contributed to the open-source **AutoML and Hyperparameters Optimization** library **FLAML**, initiated the internal version of FLAML for **Microsoft Fabric** and contributed **100+ PRs**.
· Enlarged Machine Learning model pool for AutoML in FLAML by adding 15+ Machine Learning models.
· Integrated multiple **MLOps** services of Microsoft Fabric platform to FLAML.
· Developed Hyperparameter Importance analysis using Cython, achieved **3000%** speed boost over Python.
· Developed Autonomous Feature Engineering combining with **LLM Agent**, utilizing **AutoGen** project.

National University of Singapore

Undergraduate Research Assistant   Apr. 2022 – Feb. 2023

· Worked at the NExT++ Centre, School of Computing under the supervision of Prof. Tat-Seng Chua. Paricipated in a research project focusing on **Event Forecasting** with **Temporal Knowledge Graph**.

Tsinghua University

Undergraduate Research Assistant   Aug. 2021 - Apr. 2022

· Worked at the Institute of HCI and Media Integration, Department of Computer Science and Technology, supervised by Prof. Yongjin Liu. Research project focused on **Computer Vision** problems, specifically style transfer and image generation for hand-drawn sketches.

Projects

D2Helper

Full-Stack Web Application for Destiny 2

· A Destiny 2 information and tracking tool with a **4,000+** user base on the WeChat mini-app platform.
· Built a modern user experience using **JavaScript** for the frontend and **CSS** for UI.
· Designed and implemented the **RESTful API** backend service using **Flask**, and interacted with **MySQL** on cloud for information queries and player tracking.
· Leveraged **Docker** for deployment on WeChat Cloud, ensuring a reliable and scalable service.

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, utilizing multi-agent conversation and **RAG** with **Knowledge Graph**.

Skills

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