

Yucan Li

5-98 Thomas st, Kingston, ON | (613) 532-7737 | yucanli128@gmail.com

EDUCATION

Queen's University

Bachelor of Computing in Software Design | GPA: 3.77/4.0

Kingston, Ontario, Canada

Sept 2019– May 2023

Related Courses: Human-computer interaction, Data Structure and Algorithm, Software Safety, Software Architecture, Database

Cornell University (Cornell Tech)

Master of Science in Information System

NYC, NY

Sept 2023– present

Related Courses: Machine Learning Engineering, Data Science

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, Shell, C#
- **Development tools:** Azure Cloud, React.js, Node.js, Git, REST API, MongoDB, AWS EC2, Unity

PROFESSIONAL EXPERIENCE

Microsoft Asia-Pacific Research & Development Group

Software Engineer Intern | STCA AI-Platform

Suzhou, Jiangsu, China

Jun 2021- Aug 2021

- Engaged in 1)the model training and service deployment of the Microsoft AI dialogue platform, 2) the promotion and publication of Microsoft AI education: Zhihui AI
- Using Numpy and Pandas to automate the data processing process required for model training and data labeling. Practiced deploying the entire intelligent dialogue platform service on a Linux virtual machine through Docker to release the internal beta version for relevant operators to test and use.

Microsoft Asia-Pacific Research & Development Group

Virtual Reality Research Intern | Hololens

Suzhou, Jiangsu, China

Sep 2020- Nov 2020

- Participated in the development of the MR (Mixed Reality) project based on Hololens, writing C# inside Unity3D and applying Windows SDK for Hololens to provide a demo and proof of concept for interior furniture and decorative landscape display.

PROJECTS

MiniTorch(DIY mini Pytorch for machine learning)

Aug 2023 - Dec 2023

- Implemented a deep learning training tool from scratch using Python, designed efficient data structures for tensor operations and related deep learning functionalities, to enable users to build and train deep learning models.
- Developed fundamental modules such as auto-differentiation and back-propagation, broadcasting, GPUs and Parallel Programming

Web-based Data Explorer

Leader

Kingston, Ontario, Canada

Sep 2022- May 2023

- Designed a online explorer including user authentication using Node.js and express to achieve JWT
- Wrote background process to arrange EC2 instance with ELB load balancer.

Blockchain for File Transactions and Manufacturing Contract Wallets

Research Assistant

Kingston, Ontario, Canada

Apr 2022- Aug 2022

- Deployed smart contract over Blockchain Network over Kaleido, Corda, and Hyperledger.
- Call and perform operations such as creating nodes and files through the underlying API provided by the platform. Tested by creating multiple users to interact with files