Daniel Su

Ambitious fourth-year student with a solid background in data management and cloud applications, and two years of experience in full-stack development and data analysis. I combine technical proficiency with strong communication skills, ensuring effective teamwork and project success.

Experience & Project

Microgreen Solar Corp - Software developer

May 2021 - Sep 2021, May 2022 - Sep 2022

- Implemented IoT Core Module to streamline data conversion from solar panels, effectively displaying power input and output to users via MQTT protocol.
- Successfully deployed web application using AWS lambda, using a serverless architecture and reduce hosting cost by half
- Analyze and document energy consumption patterns, and develop a backup plan in case of power outage

Hspector.com - Founder

May 2021 - Feb 2022

- Engineered a comprehensive web application using Flask with the goal to aid businesses in legal compliance management
- Deployed the application using Docker and hosted on ECS
- The application offered services such as filing for new companies, modifications in directorship, changes in share voters, and provision of various legal document templates with eSignature capabilities.
- Successfully facilitated the incorporation of 5 LLCs, with over 8 document templates actively utilized

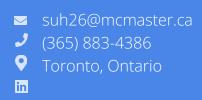
LawChat

- Using Falcon-40b as base model and fine tune using HK specific law and case to answer listed related questions and to review listed companies announcement
- Implementing Retrieval-augmented generation model to prevent hallucinations, and provide in text citation or link to provide easy verification

School Project

Distributed hash table

 Implement distributed hash table using Java and the Akka actor model framework, enabling dynamic item repartitioning, efficient node joining and leaving processes, and robust replication mechanisms. And a lock quorum system to guarantee data consistency across the network



Skills

- Python, Java, C, Docker, SQL
- Transformer, BERT
- Bash, Git/GitHub, PyTorch
- AWS(ECS, EC2, IoT Core, Comprehend, Lambda, S3)

EDUCATION

Bachelor of Science, Mathematics & Computer Science

McMaster University

- 🗰 Sep 2020 Apr 2024
- Hamilton, Ontario

Exchange

Trento University

- E Feb 2023 July 2023
- Trento, Italy

LANGUAGES

- English Fluent
- Mandarin Fluent
- Cantonese Fluent
- Spanish intermediate

Hobby/Interest

I'm really into working out and jiu jitsu, because I believe I have to be physically fit to optimize my productivity for everything else in my life