Chenxi Li

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Education

McGill University Montreal, Canada
B.Sc. in Computer Science Sep. 2018 - May 2022

- **Coursework:** Discrete Mathematics,Multivariable Calculus, Probability, Computer Systems, Algorithms and Data Structure, Database, Artificial Intelligence, Machine Learning, Software Systems,Software Requirement Engineering, Software Validation, Computer Networks, Human-Computer Interaction
- Final year GPA: 3.88/4.0

Marianopolis College Westmount, Canada
Quebec Diploma of College Studies in Pure & Applied Science Sep. 2016 - May 2018

Experience

Solution Engineer Intern, Huawei Jun. 2019 – Aug. 2019

- Contributed to the design of a software system for a comprehensive surveillance platform that integrates over 300 cameras including legacy cameras.
- Collaborated with clients to gather and refine requirements, ensuring alignment with business needs.
- Contributed to the design of features including video clip storage, data visualization, and advanced functionalities such as image-based search.

Projects

Digital Adaption of Board Game Oct. 2020 – Apr. 2021

- Design and developed, in a team of six, a digital adaptation of the board game *Colt Express* in **Java**, following the full software development life cycle.
- Implemented a client-server architecture, hosting the server on **AWS** and integrating an external RESTful API for real-time multiplayer gameplay.
- Created an intuitive GUI with *Minueto* that provides guidance to users for an engaging user experience.

Multi-Label Image Classification Oct. 2020 – Dec. 2020

- Developed a modified LeNet CNN architecture with 11 hidden layers for a modified MNIST dataset.
- Focused on minimizing cross-entropy loss while maximizing validation and test accuracy.
- Achieved 99% training accuracy within 40 epochs.

Hotel Management Web Application Oct. 2023 – Nov. 2023

Live demo | GitHub Repo

- Designed and developed a web application to streamline hotel management tasks, including guest profiles, room management, and reservation operations.
- Implemented a responsive user interface using **React** and **Tailwind CSS**, featuring an interactive dashboard for real-time analytics.
- Implemented database, API, user authentication, and file storage with **Supabase Auth** and deployed the application on cloud platforms (Vercel).

Skills

Programming Languages: Java, Python, JavaScript, HTML/CSS, C, SQL, MATLAB, OCaml, MIPS, Bash

Technologies & Tools: React.js, Node.js, MongoDB, Express, Linux, Git, AWS, Azure, JUnit, Numpy, Pandas, PyTorch, TensorFlow, Matplotlib, RegEx

Language: Mandarin (native), English (fluent), French (intermediate), Japanese (beginner)