Yujin Li

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Education

Bachelor of Software Engineering **June 2024**
McGill University, Montreal, QC

Languages

Mandarin (native), Cantonese (native), English (professional fluency), French (professional fluency), Spanish (daily communication)

Technical Skills

Programming Languages: Java, Python, C, C++, Ocaml, Arm assembly V7, Arduino, Bash, JavaScript, CSS, HTML, VHDL
Tools: Gradle, Git, Vue.js, Spring framework, MVC **architecture**, Umple, PostgreSQL, Cucumber (on eclipse),
Software: VS code, IntelliJ, Eclipse, Python shell, Power shell, Vim, MS Office Suite, Keynote (mac), Pages (mac), Numbers (mac)

Engineering Projects

Design and Implementation of a Library system
(Java; JavaScript; CSS; HTML; Vue; Spring Framework; PostgreSQL; MVC architecture; Git)
September 2021 – December 2021
McGill University, Montreal, Canada

- In a team of 5, designed and developed both backend and frontend of a library system using spring Framework and MVC model
- With another teammate, ran unit test, integration test of each layer of the system and ran behavior test of the system
- Deploy both frontend and backend of the project to Heroku App
- Designed and written most of the Readme file and GitHub Wiki Page (using Markdown format)
- Participated into the Android app development
- Coordinated with teammates to organize project logistics such as time, budget, resources, and individual contributions on GitHub

Design of an Autonomous Color cubes sorting Robot (Java; Raspberry Pi; Git) **September 2021 - December 2021**
McGill University, Montreal, Canada

- In a team of 6, developed hardware and software subsystems for system integration within the robot structure.
- Designed the hardware mechanism and the software system (as one of the team members)
- With 2 other group members, optimized the hardware mechanism in order to minimize hardware bias
- With 2 other group members, implemented the sorting filter and the sorting algorithm
- With 2 other group members, implemented the recalibration algorithm
- With another group member, ran unit test and integration test of the algorithm and behavior test of the robot
- Coordinated with teammates to organize project logistics such as requirements, time, budget, resources, and individual contributions using Microsoft Team

Design and Coding of a Library system (Java; Umple; Git) **January 2021 – April 2021**
McGill University, Montreal, Canada

- In a team of 6, designed and developed only the backend of a library system using MVC model
- Generated and completed part of the model code using Umple
- Implemented part of the persistence layer
- Coordinated with teammates to organize project logistics such as requirements, time, budget, resources, and individual contributions on GitHub