Yujin Li

514-668-5910 yujin.li@mail.mcgill.ca
http://yujin-li.com/
https://github.com/YuJ-Li

Education

Bachelor of Software Engineering
Minor Applied Artificial Intelligence   **Dec 2024**
McGill University, Montreal, QC

Languages

Mandarin (native), Cantonese (native), English (fluent), French (fluent), Spanish (spoken)

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, NoSQL(firebase), SQL, Scrum/Agile
Software: VS code, IntelliJ, Eclipse, Python shell, Power shell, Vim, Remote Linux System (using SSH), MS Office Suite

Work Experience

Design, Implementation and Maintenance of a Customer-facing questionnaire Website
(JavaScript; TypeScript; CSS; HTML; Vue; NoSQL (Firebase); CI/CD; Git; Scrum)   **May 2022 – Aug 2022 (Full time)**
https://evaluation.evoimpact.app/   **Sep 2022 – Dec 2022 (Part time)**
COESIO, Montreal, Canada

- Backend implemented using NoSQL (Firebase)
- Design and implementation of all frontend animation and interaction (following the supervisor's advice)
- Backup with GitHub Action once a month (CI/CD)
- Interactive and Responsive website
- Auto generated report (including a pdf version)
- Authentication with login and logout, activation key required while sign up

Engineering Projects

Simple Shell && Simple User-level Thread Scheduler && Simple File System in C
(C, remote development over SSH, Linux, bash, multi-threading, multi-processing)
                                                                                                                             Sep 2022 – Dec 2022

McGill University, Montreal, Canada

- Build 3 systems using libraries provided by the professor.
- Simple Shell implemented using multi-threading, which allows built-in bash commands and external commands, in which output redirection and command piping allowed.
- Simple User-level Thread Scheduler built with First Come First Serve principal
- Simple File System implemented from low level view in which read/write, open/close, create/remove a file is allowed.

Design and Implementation of a Library system
(Java; JavaScript; CSS; HTML; Vue; Spring Framework; PostgreSQL; MVC architecture; Git, Scrum)
                                                                                                                             Sep 2021 - Dec 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
- Ran unit, integration and behavior tests on each layer of the system
- Deployed both frontend and backend of the project to Heroku App
- Designed and wrote most of the Readme file and GitHub Wiki Page (using Markdown format)
- Login features for the Android app
- Coordinated with teammates to organize project logistics such as time, budget, resources, and individual contributions on GitHub