Benjamin Liu

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SUMMARY OF SKILLS AND QUALIFICATIONS

Programming | Java • C# • C++ • SQL • JavaScript • Python • HTML/CSS • React • NodeJS • ExpressJS • Maven

Developer Tools | Eclipse • IntelliJ • VSCode • Colab • Docker • GitHub • H2 Console • Jira

Languages | French • English • Chinese (Mandarin)

EDUCATION

Bachelor of Engineering – Software Engineering CO-OP   **2023 - 2027 (Expected)**
Concordia University, Montréal, QC
- Relevant Courses: Data Structures & Algorithms, Web Programming, Object-Oriented Programming, Discrete Math, Formal Methods, Software Processes, Design & Architecture
- GPA: **3.77**

PROJECTS

Patrouille Verte Mobile App | Github   **2024 - present**
Regroupement des Éco-Quartiers, Montréal, QC
- Developed and pitched a mobile application for Patrouille Verte using React Native and Azure to enhance data entry and management processes
- Handled Every Aspect of Development including ideation, design, frontend and backend development
- Presented the app to more than 40 users, ensuring successful adoption
- Technical skills: Project Management, SDLC, Full-Stack Development, Mobile Development

Autonomous Arduino Firetruck | Github | Demo   **2023**
Collège Jean-de-Brébeuf, Montréal, QC
- Awarded the prize for the best integration project
- Designed circuits, engaged in mechanical design as well as assembly and fabrication of a miniature firetruck
- Developed an algorithm to automatically detect and navigate towards flames for extinction using Arduino
- Competed against different teams as part of the final year project within the pure and applied sciences program

Peer Assessment System | GitHub   **2025**
Concordia University, Montréal, QC
- Led Agile development as Scrum Master, facilitating sprint planning, daily stand-ups, and retrospectives
- Implemented CI/CD pipeline using GitHub Actions, automating testing and deployment processes
- Developed comprehensive Jest test cases to ensure code reliability and maintain application integrity
- Utilized a MERN stack (MongoDB, Express, React, Node.js) to implement robust backend and frontend components

WORK EXPERIENCE

Outreach Officer/Developer   **June 2023 – November 2024**
Regroupement des Éco-Quartiers, Montréal, QC
- Developed a mobile app to streamline the data collection process
- Promote environmental awareness through events, delivering presentations, and engaging with the local community

AWARDS & DISTINCTIONS

1st Place - Best Integration Project CEGEP (Awarded as part of a final year project)   **May 2023**