

Felix Liao

✉ felix.liao@uwaterloo.ca | 🌐 github.com/LiaoFe | 🌐 liaofe.github.io/mywebsite | ☎ 647-230-8456

SUMMARY OF QUALIFICATIONS

- Languages: **C++, C, Java, Dart JavaScript, HTML, CSS, Bash, R, Racket, OOP in Java and C++**
- Tools: **React, Bootstrap, Flutter, Node.js, Git, Linux, VS Code, Jira, co:here, AssemblyAI**

WORK EXPERIENCE

WSIB Innovation Lab

Waterloo, ON

Full-Stack Developer

(May 2022 - August 2022)

- Built a mobile app from scratch with a team of 6 developers by discussing our tech stack, app feature priorities, project architecture, and coding in an agile work environment
- Spearheaded development solutions such as navigations, animations, connected the frontend and backend to create the form progress saving feature, and created implementation methods for widgets using **Dart** and **Flutter**
- Optimized code from researching **Flutter** documentation and adapting quickly to requirement changes
- Reinvented the interview process and interviewed coop students for the future dev cohort
- Improved the Lab website with **React** and responsive app design experience

PROJECTS

journal4me at Hack the North 2022 | journal4me

- Developed a journal web app with a team that transcribes voice entries using AssemblyAI into a text file which are processed by co:here's machine learning NLP program to summarize the entries and classify the mood of each entry resulting in placing second in a category
- Created the frontend of the app using **React** to show a mood calendar that has all the user's processed entries, a welcome page, an interactive journal entry page, and a page with mental health resources
- Designed the UI with a team member with minimalistic and therapeutic color scheme to create a spacious and welcoming atmosphere

Personal Website and Blog | <https://liaofe.github.io/mywebsite/>

- Built a single-page application using **React** routing and includes a blog using **ReactJS, Bootstrap**, and **Node.js** all done on **VS Code**
- Updated website using **Git** and styled with **CSS** to create a responsive website includes mobile views

Badminton Tryout Tracker

- Developed an application using **OOP Java** to manage badminton tryouts and included a points system to rank players based on various stats
- Created a feature to store profiles of players to track their stats and sports background, include an profile picture, and add side notes

Chess Team Project

- Created a chess game in the command line multiple computer player difficulties
- Implemented with **OOP C++** using **Git** and **UML** diagrams to help plan and organize our code

EDUCATION

Candidate for Bachelor of Computer Science

Waterloo, Ontario

- University of Waterloo

(September 2020 - April 2025)