

David Liu

Email: d285liu@uwaterloo.ca, Github: github.com/dliu27 , Website: dliu27.github.io 

Skills

- Languages: Javascript, Python, Java, HTML/CSS, C, DrRacket
- Libraries/Frameworks: React, React Router, React-MDL, Node, Express, Bootstrap, Pygame
- Other Skills: Heroku, Git, Github, VS Code, Microsoft Office Suite, Sony Vegas, Photo editing, Figma, Windows

Education

University of Waterloo Computer Science Co-op

Sep. 2020 - May 2025 (anticipated)

- 4.0 Major GPA (93%), 4.0 Culminating GPA (91%)
- Recipient of the President's Scholarship (\$2000)

Projects

Somebody Call 911 Full-Stack Developer 

Jan. 2021 • Hack The North

- Created a Full-Stack web application using Node, Express, Bootstrap to automate a 911 call in emergency situations
- Used **ExpressJS** and **NodeJS** to build the backend and integrated the **Google Geolocation** and **Vonage Voice APIs** to send user location / emergency details to our server, generating a call to 911 in less than **4** seconds
- Connected the frontend to the backend flawlessly and deployed a functional application on **Heroku** in only **3** days

dliu27 Portfolio Website Web Developer 

Apr. 2021 - Present

- Created a real-time React-based personal portfolio website using **React (create-react-app)** and **React Router**
- Designed a responsive **UI/UX** with **React-MDL** based off of Google's Material Design framework
- Used the **git** version control system to deploy the website and host on **Github Pages**

Productivity++ Web Developer 

Jun. 2020 - Present

- Created a custom version of **Momentum** from scratch as a Chrome Extension due to lack of feature extensibility
- Implemented original and new features such as a productivity tracker, todo lists with persistent **CRUD**, and notifications using **JS**, **HTML Web Storage API**, and **chrome.extension API** with **low coupling / high cohesion**
- Increased personal working time by **30%** and is used daily to ensure all school/work/life deadlines are met

Experience

Kumon Teaching Assistant

Mar. 2018 - Sep. 2018

- Mentored up to **15** students and improved their academics in a **dynamic working environment**
- **Learned company procedures quickly** and used strong multitasking to help the team finish earlier by **40** minutes

White Oaks Chess Club President

Jan. 2019 - Jul. 2020

- Organized Halton's premier district-wide chess tournament by initiating meetings with 4 other schools leaders
- Used marketing and engagement techniques to increase the active member count from **2** to **20** people per week

Awards

Duke of Edinburgh's Award - Silver

2012 - 2018

Fermat Math Competition (Top 6%), Canadian Computing Competition (Top 3%)

2019

Lifesaving Society CPR "C" Qualification

2012 - 2018

RCM Advanced Rudiments Exam: First Class Honours with Distinction

2012 - 2018