David Liu

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Skills

- Languages: Javascript, Python, Java, HTML5/CSS3, C, DrRacket
- Libraries/Frameworks: React, React Router, React-MDL, Node, Express, jQuery, Bootstrap, Pygame
- Other Skills: Heroku, Netlify, Git, Github, regex, Eclipse, VS Code, Microsoft Office Suite, Sony Vegas, Windows
- Interests: Cloud services, Embedded systems, IoT

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

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 **Heroku** and **Netlify**

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

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 an interface 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