

Emily Wang

Experience

Full-Stack Developer

Transparent Kitchen | May 2020 - Current

- Built REST API endpoints with **Node.js** to connect food ordering app to restaurant POS
- Redesigned and implemented **MySQL** database schema for company's new product
- Implemented search and filter functions on web menu app built with **Vue.js**

Software Developer

TD Lab | Sep 2019 - Dec 2019

- Developed using **Vue.js** a student budget calculator web app with launch of **200+** users
- Created **Chrome extension** to identify and define technical finance terms on webpages
- Built MVP of **mobile app** using **Flutter** providing credit card transaction insights to help improve spending habits

IT Engineer

Pivotal Software | Jan 2019 - Apr 2019

- Created and deployed OS images to **200 computers** with custom **Bash** scripts and tools making set-up of computers **200%** faster
- Pair-programmed web application using **JavaScript** to self-checkout IT equipment

Undergraduate Research Volunteer

University of Waterloo | May 2019 - Aug 2019

- Developed **Alexa skill** using **JavaScript** allowing professors to quickly send emails to arrange meetings and office hours

Co-Director

Hack the North | Feb 2019 - Present

- Leading a team of 40 students to organize one of the world's biggest hackathons
- Oversaw hiring of team, setting organizational vision and planning product launches
- Successfully executed 2019's event with **1500** hackers, **300** mentors, **200** volunteers and **400** sponsors leading efforts in judging and sleeping arrangements
- Led cross-functional teams to ideate, design and order **10,000+** custom swag items

Projects

DriverSyde Hack Western Project, Finalist

- Developed **Android app** in Java that provides new drivers with real-time instructions and feedback on the road using computer vision along with map APIs

Thrive UofTHacks, Best use of IBM's Watson

- Built **Android app** as an all-in-one platform for resources and tools to help immigrants
- Used CV and machine learning APIs to provide translation from photos and speech

CodeBoard YHacks Project

- Designed and developed **web app** that executes handwritten code from pictures using Google Vision API and Sphere Engine as the compiler

Contact

- ✉ e47wang@uwaterloo.ca
- in emwang11
- github emilwang11
- globe www.emwang.me
- 📞 647-983-0360

Languages

JavaScript, TypeScript, C++, Java, HTML/CSS, SQL, Ruby

Tools and Frameworks

Vue.js/Vuex, React, Node.js, Nest.js, MySQL, PostgreSQL, Flutter, Git

Education

University of Waterloo

2018-2023 (expected)

Systems Design Engineering

Relevant courses:

Digital Computation,
Data Structures and Algorithms,
Databases and Software Design

Awards

Ontario Professional Engineers

- *Undergraduate Scholarship*

University of Waterloo

- *President's Scholarship of Distinction*

John Fraser S.S.

- *Principal's Award for Leadership*
- *The Governor General's Academic Medal*

Interests

Psychology, card making, reading, musicals