Emily Wang

Systems Design Engineering | University of Waterloo

Experience

Software Developer
TD Lab | Sep 2019 - Current
- Developed and shipped student budget calculator web application written in **Vue.js**
- Created chrome extension to simplify technical finance terms to make TD websites more student-friendly

IT Desktop Support
Pivotal Software | Jan 2019 – Apr 2019
- Pair-programmed web application using **JavaScript** to self-checkout IT equipment
- Wrote **Bash** scripts to automate monitoring of conference room computers
- Created and deployed **OS images** with custom scripts and tools to eliminate manual set-up and updates of **200+** computers in the office
- Deployed app with Cloud Foundry to gain exposure to **cloud computing architecture, PaaS and DevOps**

Undergraduate Research Volunteer
University of Waterloo | May 2019 - Aug 2019
- Developed **Alexa** skill using **JavaScript** for professors to send emails

Logistics Organizer
Hack the North | Feb 2019 - Present
- Coordinated with vendors and led cross-functional teams to ideate, design and order 10 different custom swag items for hackers, mentors and judges
- Organized two nights of sleeping accommodations for **1500** hackers
- Coordinated with technical, design and logistical teams to lead development of new tool to improve sponsor hacker connections
- Successfully executed event with over **2700** attendees

Projects

Thrive *UofTHacks, Best use of IBM's Watson*
- Developed front end of **Android app** providing tools to help immigrants settle down
- Used **Machine Learning APIs** to provide translation from photos and speech

ColorBoard *YHacks Project*
- Created web app that turned images of handwritten code into text then compiled and ran the code using Google Vision and Sphere Engine APIs
- Designed and developed front-end of web application using **Vue.js**

Wise *SheHacks Project*
- Overall finalist for hackathon with "one-touch" expense tracker
- Designed and developed web application using JavaScript and Bootstrap framework

Exam Prep Program
- Developed test taking application using P5.js that enabled students to save and compile test bank questions into custom exams

Contact

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Languages

JavaScript	HTML/CSS
C/C++	Bash
Java	Dart

Tools / Frameworks

Vue.js	Flutter
Bootstrap	Git
jQuery	Jira

UI / UX

Photoshop	Sketch
InVision	SolidWorks

Education

Systems Design Engineering
University of Waterloo 2023

Awards

Ontario Professional Engineers
- Undergraduate Scholarship

University of Waterloo
- President's Scholarship of Distinction

John Fraser S.S.
- The Governor General's Academic Medal (highest average in graduating class)
- Principal's Award for Leadership

Interests

- Event Planning
- Hand lettering
- Reading
- Musicals