Emily Wang

Experience

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 to improve financial literacy for students
- 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
- Wrote **Bash** scripts to automate monitoring of conference room computers, decreasing manual work by **3 hours/week**
- Deployed app with Cloud Foundry to gain exposure to **cloud computing architecture**

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 (Past Logistics Coordinator)
Hack the North | Feb 2019 - Present
- Leading a team of 35 students to organize one of the world's biggest hackathons
- 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

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Languages
JavaScript, C/C++, Java, Dart, Python, HTML/CSS, Bash

Tools / Frameworks
Vue.js, Flutter, Firebase, Android Studio, Git, Bootstrap

UI / UX
Sketch, Wire-framing, User Research, Usability Testing

Education
University of Waterloo
2018-2023 (expected)
Systems Design Engineering

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, water sports, reading, musicals, drawing