Emily Wang

Systems Design Engineering

Experience

Software Developer
TD Lab | Sep 2019 - Dec 2019
- Incoming, more details to come

IT Desktop Support
Pivotal Software | Jan 2019 – April 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 Assistant
University of Waterloo | May 2019 - Aug 2019
- Developed **Alexa** skill using JavaScript for professors to send custom emails and ones from template

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
- Organized two nights of sleeping accommodations for **1500** hackers
- Coordinated with technical, design and logistical teams to lead development of new tool for sponsors
- Successfully executed event with over **2700** attendees

Projects

Thrive – UofTHacks Project
- Won **IBM's best Watson Hack** Prize
- Developed front end of **Android app** with tools to help immigrants settle down in Canada
- Used **Machine Learning APIs** to provide translation from photos and speech

Exam Prep Program
- Developed test taking application using **JavaScript** and object-oriented programming
- Enabled students to create custom exams from exam bank questions with features implemented through sorting and searching algorithms for more effective studying

Wise - SheHacks Project
- **Overall finalist** for hackathon with web application programmed using **JavaScript** and **Bootstrap** framework as an "one-touch" expense tracker for students
- Designed mobile prototypes with Sketch and InVision

Contact

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Languages

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

Tools/ Frameworks

- React
- Android
- Bootstrap
- Git
- jQuery
- Jira

UI /UX

- Photoshop
- Sketch
- InVision
- SolidWorks

Education

Systems Design Engineering
University of Waterloo 2023

Awards

University of Waterloo
- President's Scholarship of Distinction

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

Interests

- Event Planning
- Hand lettering
- Any water activity
- Musicals