

# Emily Wang

Systems Design Engineering

## Experience

### 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

### Software Developer

#### Telus | Feb 2019

- Developed speech-to-text web apps using Google and Mozilla's Machine Learning APIs as proof of concept

### Logistics Organizer

#### Hack the North | Feb 2019-Present

- Coordinating with vendors and leading cross-functional team to ideate, design and order custom swag items for hackers
- Organizing two nights of sleeping accommodations for **1500** hackers

### Sponsorship Team

#### Waterloop | Sept 2018-Dec 2018

- Secured **\$2000** in funding through reaching out to sponsors and pitching for grants to fund building the Hyperloop pod prototype

## 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

### Fruity Catch Game

- Followed the **SDLC**, flowcharted and created **UML** diagrams to effectively execute project
- Programmed computer game in **Java** with Processing library

## 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  
• Top 10% of class

## Awards

### 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 Student Leadership

## Interests

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