

# YIFEI ZHANG

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## SKILLS

- **Languages:** JavaScript, C++, Python, C, SQL, HTML, CSS (SASS)
- **Tools:** React, Redux, Node.js, Docker, Git, MongoDB, Jenkins, Terraform, Microsoft Azure, GCP

## EXPERIENCE

### Software Engineer – Altis Labs

Sep 2020 – Dec 2020

- Building web platform for radiologists/clinicians to evaluate patients' response to different cancer treatments

### Dev Ops Software Engineer – The Co-operators

Jan 2020 – April 2020

- Spearheaded development of a web application to store and configure metadata about various Jenkins jobs
- Automated infrastructure provisioning with **Jenkins** and **Terraform** scripts, reducing provisioning time by **4x**
- Introduced and integrated automated testing standards using **Mocha/Chai** and **Jest** into existing codebase

### Applications Developer – Ontario Institute for Cancer Research

May 2019 – August 2019

- Built front-end components using **React** and **Jekyll**, tested backend APIs, and conducted workflow testing, culminating in the deployment of *Adaptive Oncology*, a collaborative site for various OICR oncology initiatives
- Implemented a centralized logging system using the **Elastic stack** that parses and sends over **76000 log messages** monthly from various Node.js APIs, and established automatic notifications for critical errors
- Wrote **bash** scripts that verified environment configurations during build, reducing build errors by **12%**

## PROJECTS

### Flatten – *github*

March 2020 – May 2020

- Led web development of *flatten.ca*, a site that gathered crowdsourced COVID-19 data to aid public health bodies in *Montreal* and *Somalia*, receiving media coverage from **CTV**, the **National Post**, and **Global News**
- Worked with multidisciplinary group of developers, doctors, clinicians, and consultants from design firms *Cossette* and *Mosaic* to design and finetune our survey, generating over **500,000 user responses**

### London Bridge – *devpost* | *github*

November 2019

- Developed a web application that allows users to request maintenance of London's public infrastructure and automatically notifies councillors based on a priority system, winning **3<sup>rd</sup> place** at **Hack Western 2019**
- Leveraged city of London's open data portal and **leaflet.js** to generate a heatmap of maintenance requests

### Wizarding Chess – *devpost* | *github*

Sep 2018

- Programmed virtual reality chess game with **C#** and **Unity**, winning at **Hack the North 2018**
- Integrated **Watson** Text-to-Speech API with C# scripts to allow for voice-controlled gameplay and interaction

## EDUCATION

### University of Waterloo – Bachelor of Software Engineering

2018 – 2023 (Expected)

- 3.7/4.0 GPA (Spring 2020 Term Dean's Honour List)
- **Relevant Courses:** Data Structures, Software Engineering Principles, Database Management