

Yifei Zhang

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SKILLS

- **Languages:** JavaScript, Python, C++, C, Java, SQL, HTML, CSS (SASS), Bash
- **Tools/Frameworks:** Node.js, React, TypeScript, Docker, MongoDB, PostgreSQL, Jenkins, Azure, Terraform

EXPERIENCE

Software Engineering Intern – Splunk

May 2021 – Aug 2021

- Improved initial load time of the most viewed page in Splunk Enterprise (**160,000+ monthly users**) by a projected **30-35%** by re-writing key network requests and reducing bundle sizes by **37%**
- Led initiative to track performance of key components used by over **94%** of Splunk's cloud customers, leveraging Splunk's telemetry libraries to send customers' aggregated performance data
- Received intern of the month for outstanding project delivery and excellent cross team collaboration

Software Engineering Intern – Altis Labs

Sep 2020 – Dec 2020

- Drove development of a platform for radiologists to evaluate and annotate medical images of tumours to make predictions on the efficacy of cancer treatments
- Built web interface using **React/Redux** to guide radiologists through the workflow, with dynamically enforced rulesets and custom annotation tools to automatically measure and segment a lesion
- Designed additional **PostgreSQL** schemas and **Node.js** REST APIs to store patients' medical data

Dev Ops Software Engineering Intern – The Co-operators

Jan 2020 – Apr 2020

- Automated infrastructure provisioning requests using **Terraform** scripts, cutting avg. response times by **63%**
- Introduced automated unit and regression testing to CI/CD pipelines in **Jenkins** by adding infrastructure to create clean test environments using **Terraform**
- Developed a web application using **React/Node** to manage developer roles and create Jenkins jobs

Applications Developer Intern – Ontario Institute for Cancer Research

May 2019 – Aug 2019

- 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
- Built front-end components using **React** and **Jekyll** and conducted end to end testing for OICR websites
- Wrote **bash** scripts that detected misconfigured environment variables before builds

PROJECTS

Flatten – Engineering Lead || [GitHub](#)

Mar 2020 – May 2020

- Led development of [flatten.ca](#), a non-profit 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](#)
- Oversaw team of 15 engineers and worked with multidisciplinary group of data scientists, doctors, and sociologists to build a symptom reporting tool and interactive heatmap, generating over **500,000 responses**
- Built platform using **React/Node.js**, setup infrastructure, code review guidelines, and CI/CD pipelines

EDUCATION

University of Waterloo – Bachelor of Software Engineering

2018 – 2023(Expected)

- Term Dean's Honour List (2B), Term Distinction (3A)
- **Relevant Courses:** Data Structures, Database Management, Algorithms, Operating Systems, Concurrency (In Progress), Computer Networks (In Progress), Software Architecture (In Progress)