

# FELIX CHEN

## Software Engineer

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📍 Toronto, Canada

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## EXPERIENCE

### Teaching Assistant

#### University of Toronto

📅 05/2021 – 08/2021

📍 Remote

- Instructed students on computability and complexity concepts
- Led weekly tutorials, weekly office hours and marking

### Site Reliability Engineer Intern

#### IBM

📅 05/2020 – 08/2021

📍 Remote

- Engineered client self service using Kubernetes, MongoDB, and Ansible, eliminating 240 hours / week worth of manual operations
- Automated tasks using Ansible, Python, Github API, Bash and PowerShell

### Software Engineer Contract

#### Safe Sign

📅 10/2020 – 01/2021

📍 Remote

- Engineered custom form creation, form responses and user administration
- Leveraged React, MongoDB, TypeScript, JWTs, Bootstrap and Heroku

### Information Developer Intern

#### IBM

📅 09/2018 – 04/2020

📍 Toronto & Remote

- Developed 10+ dashboards, a natural language classifier and a rewards program, increasing Stack Overflow db2-luw followers by 53%
- Delivered a Slack bot with PagerDuty integration, Socket.IO collaborative issue tracker, documentation health checker and documentation crawler

### Software Developer Intern

#### Extreme Networks

📅 01/2018 – 04/2018

📍 Toronto

- Developed test automation using Python's Selenium for Chrome and Firefox
- Supervised 120+ sanity and nightly tests, identifying bugs to developers

## PROJECTS

### Calcifer 🔗 📄

- Engineered Kubernetes, Docker and programming language sandboxes with a collaborative IDE
- Utilized Docker, Nginx, MongoDB, Redis, Socket.IO, Angular, Monaco and xterm.js

### Web-Watcher 🔗 📄

- Created an application to capture website changes and notify users with Kubernetes, React and Puppeteer

### Nitrus 🔗 📄

- Developed an application where users vote and listen to a Spotify priority queue using Azure, React and Spotify API

## EDUCATION

### HBSc Computer Science

#### University of Toronto

📅 09/2016 – 04/2022

## LANGUAGES

TypeScript

JavaScript

Go

Rust

Python

C

Haskell

Java

Bash

PowerShell

## TECHNOLOGIES

### Distributed Systems

Map Reduce, Raft

### SRE

Kubernetes, Docker, Ansible, LogDNA, Rundeck, New Relic, PagerDuty

### Cloud

IBM Cloud, Google Cloud Platform, AWS, Azure, Digital Ocean, Heroku

### Frontend

React, Angular, WebRTC, jQuery, JWT, Cookies, Bootstrap, Google Material Design, IBM Carbon Design

### Backend

Express, Socket.IO, Flask, ShareDB

### Databases

MongoDB, Redis, PostgreSQL, CouchDB

### Integrations

GitHub, Slack, Spotify, SendGrid, Stack Overflow

### Machine Learning

Neural Networks, classification, regression, clustering, NumPy, PyTorch