

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

D94 🐙

- Studied MIT's distributed systems course (MapReduce & Raft) and error correcting codes to build a distributed cache

Web-Watcher 🐙 🔗

- Created an application that captures website changes and notifies users using 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