# FELIX CHEN

### Software Engineer

@ felixchen1998@gmail.com

Toronto, Canada

felixjchen.github.io

felixjchen

in felixjchen

**6** felixjchen

### EXPERIENCE

# **Teaching Assistant**

**University of Toronto i** 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**

**i** 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

**i** 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**

**i** 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**

**1** 01/2018 - 04/2018

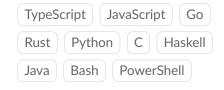
- Toronto
- Developed test automation using Python's Selenium for Chrome and Firefox
- Supervised 120+ sanity and nightly tests, identifying bugs to developers

# **EDUCATION**

**HBSc Computer Science University of Toronto** 

**1** 09/2016 - 04/2022

# LANGUAGES



## 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

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

#### **Backend**

Express, Socket, IO, Flask, Share DB

#### **Databases**

MongoDB, Redis, PostgreSQL, CouchDB

#### Integrations

GitHub, Slack, Spotify, SendGrid, Stack Overflow

#### **Machine Learning**

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

# **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 C &

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