

Felix Chen

Software Engineer

Passionate and driven undergraduate with 2.5+ years of internship experience involving DevOps, full-stack development, public cloud, machine-learning and testing.

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EDUCATION

BSc Computer Science, Software Engineering, Co-op University of Toronto

09/2016 - 04/2022

GPA 3.21/4.00

WORK EXPERIENCE

DevOps Developer Intern IBM

05/2020 - Present

Achievements

- Developed customer self service using Kubernetes, Ansible and Kafka
- Reduced toil with Ansible, Powershell, Bash and Python
- Maintained SaaS offerings on Kubernetes, Docker and Windows for 1200+ clients, actioned pager alerts, provisions and modifications

Information Developer Intern IBM

09/2018 - 04/2020

Achievements

- Led a Stack Overflow initiative, engineered 10+ dashboards, rewards program and NLC question routing, increasing db2-luw tag watchers by 53%
- Automated support escalation paging using PagerDuty API, Slack API and cloud functions, saving thousands of hours spent monitoring Slack
- Delivered a web crawler, wiki downloader and documentation quality checker

Software Developer Intern Extreme Networks

01/2018 - 12/2018

Achievements

- Developed a nightly test suite using Python, Selenium and Chromedriver
- Supervised 100+ tests running in parallel across 4 CentOS VMs

PROJECTS

Web Watcher (05/2020) 📄

- Created a **microservice** application to notify users upon website changes
- Leveraged Kubernetes, React, JWT, AWS, IBM Cloud, OpenCV and Puppeteer

Spotify Vote (08/2020) 📄

- Engineered a **realtime** web application for users to vote and listen to a Spotify queue
- Utilized SocketIO, React, TypeScript, Spotify API and IBM Carbon Design

Screen Share (05/2020) 📄

- Developed a **peer to peer** web application for users to stream video and audio
- Used PeerJS, Screen Capture API, jQuery, Netlify and IBM Carbon Design

LANGUAGES

JavaScript HTML CSS Python

Java C Bash PowerShell

TypeScript Go Haskell LaTeX

TECHNICAL SKILLS

Frontend

React, jQuery, Cookies, Bootstrap, Chart.js, Material Design, Carbon Design

Backend

Express, Flask, Socket.IO, JWT, Node.js

Databases

PostgreSQL, MongoDB, CouchDB

DevOps

Kubernetes, Docker, Ansible

Cloud

AWS, Azure, GCP, IBM Cloud

Machine Learning

NumPy, Classification, Regression, Clustering, Reinforcement Learning, Neural Networks

Operating Systems

Linux, Windows, MacOS

CERTIFICATES

Docker Essentials (01/2020)

IBM Cloud Kubernetes Service (12/2019)

Containers, K8s and Istio on IBM Cloud
(05/2020)

VOLUNTEER EXPERIENCE

Robot Design Judge FIRST Lego League

12/2018

Tasks

- Judged the design of Lego robots
- Advocated for teams during ranking process