FELIX CHEN

felixchen1998@gmail.com | Toronto, Canada | felixjchen | felixjchen | felixjchen.github.io | felixjchen

EXPERIENCE

Software Engineer - Site Reliability Engineering
Google

09/2022 - Current | Remote

- Engineered Google's infrastructure security, internal and external facing

Lead Blockchain Engineer
dApp Technology

11/2021 - 09/2022 | Remote

- Managed a team of 10 including blockchain engineers, PM and UI UX
- Delivered Web3 solutions for Parallel Alpha and Mogul Productions
- Optimized smart contract gas usage saving $150K USD during an NFT drop

Software Engineer Intern
Google

09/2021 – 12/2021 | Remote

- Created a framework for SREs to automate chaos engineering experiments
- Programmed 2 daily chaos engineering tests on reCAPTCHA production

Software Engineer Contract
Safe Sign

10/2020 – 01/2021 | Remote

- Delivered dynamic form creation, form responses and user administration
- Leveraged React, MongoDB, TypeScript, JWTs, Heroku and Bootstrap

Site Reliability Engineer Intern
IBM

05/2020 – 08/2021 | Remote

- Developed client self-service eliminating 240 hours per week of operations
- On call for 3600+ environments on Kubernetes, Docker, and Windows

Information Developer Intern
IBM

09/2018 – 04/2020 | Toronto & Remote

- Led development and operations on 10+ dashboards for Stack Exchange
- Automated support paging using PagerDuty, Slack and IBM Cloud Functions

EDUCATION

HBSc Computer Science
University of Toronto

09/2016 – 08/2022

LANGUAGES

TypeScript | Go | Solidity | Python | Rust | JavaScript | C | Java | Bash | SQL

SKILLS

Blockchain

Hardhat | OpenZeppelin | Ethers | The Graph | Moralis | Avalanche | 0x | LayerZero | MasterChef

Cloud

AWS | GCP | Azure | Netlify | IBM Cloud | Digital Ocean | Heroku

Frontend

React | Angular | Material | jQuery | WebRTC | Bootstrap | Carbon

Backend

Express | Socket.IO | Firebase | GraphQL | Flask | ShareDB | tsoa

Databases

Mongo | Redis | Postgres | Firestore

DevOps

Docker | Kubernetes | Ansible | Nginx | PagerDuty | New Relic

Machine Learning

Neural Networks | Classification | Regression | NumPy | PyTorch

PROJECTS

Calcifer
- Developed on demand Kubernetes, Docker, and programming sandboxes in the browser, with a collaborative IDE

Error Correction Code Cache
- Implemented two distributed caches in Rust finding an ECC cache used 58% the memory of a replicated Raft cache

Screen Share
- Created peer to peer screen sharing using Peer.JS, React, TypeScript and IBM Carbon Design