

# FELIX CHEN

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## EXPERIENCE

### Software Engineer II, Site Reliability Engineering

#### Google

📅 09/2022 - Current

📍 Remote

- Delivered certificates, revocation, ACLs, and machine security infrastructure
- Automated rollouts, cluster life cycle operations and service migrations

### 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 schedule chaos engineering experiments
- Scheduled 2 daily chaos engineering tests on production reCAPTCHA

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

### Information Developer Intern

#### IBM

📅 09/2018 - 04/2020

📍 Toronto & Remote

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

## PROJECTS

### Calcifer 🔄 📺

- Created a browser VS Code clone offering real-time collaborative Kubernetes, Docker, and programming sandboxes

### Error Correction Code (ECC) Key Value Cache 🔒

- Implemented two distributed caches in Rust, discovered ECC used 58% the memory of a replicated Raft cache

### Screen Share 🔄 🔗

- Created peer to peer screen sharing using PeerJS, React, TypeScript and IBM Carbon Design

## EDUCATION

### HBSc Computer Science

#### University of Toronto

📅 09/2016 - 08/2022

## LANGUAGES

TypeScript

Go

C++

Java

Rust

SQL

Python

Solidity

English

## SKILLS

### Cloud

AWS

GCP

Azure

Netlify

Digital Ocean

IBM Cloud

Heroku

### Frontend

React

Angular

Material

jQuery

Bootstrap

Carbon

WebRTC

### Backend

Express

Socket.IO

Firebase

tsoa

GraphQL

Flask

ShareDB

### Databases

Mongo

Redis

Postgres

Firestore

### SRE / DevOps

Docker

Kubernetes

Ansible

Nginx

PagerDuty

New Relic

### Machine Learning

Neural Networks

Classification

Regression

NumPy

PyTorch

### Blockchain

DeFi

NFT

EVM

L2

IPFS

Gas Optimisation

OpenZeppelin

Hardhat

Ethers

The Graph

Moralis

Ox

LayerZero