

#### **SKILLS**

Languages Frameworks Java, JavaScript, Python, Kotlin, TypeScript, Bash, SQL, Golang

Spring Boot, React/Redux, VueJS/Vuex, NodeJS, Spring, JUnit, Jest, Wiremock, JQuery

**Tools** | git, docker, SVN, nix

# WORK EXPERIENCE

### **Software Engineer Intern**

May 2020 - Aug 2020

Capital One

Capital One

Ross Video

Toronto, ON

- Implemented new features in application for service agents written in VueJS/Vuex front end
- · Created asynchronous Vuex store mutations and actions for populating store with data
- $\bullet$  Debugged performance issues with Components, increasing load speed by 50%
- Created new endpoints in RESTful NodeJS API serving data to front-end
- Wrote Unit Tests with Mocha and Jest, maintaining 100% code coverage

# **Software Engineer Intern**

May 2019 – Aug 2019

Toronto, ON

- Upgraded RESTful API from Spring 4 to Spring Boot 2, improving code maintainablility and currency
- Added performance increasing modifications such to object pooling for encryption/decryption classes
- Implemented new endpoints in API backend to improve usability
- Created unit tests and integration tests using Wiremock, embedded H2 DB, and Mockito, getting 100% code coverage
- Maintained existing tools like ATDD test suite with Cucumber

## Front End Developer Intern

Sept 2018 - Dec 2018

Ottawa. ON

- Implement new features for customers such as an HTML5 video player
- Wrote Java upgrade scripts for version changes within the product that would update the database schema
- Improved UX on touchscreen devices by fixing library compatabilities with touch.js
- Increased code coverage to 100%

#### Software Test Engineer Intern

May 2018 - Aug 2018

Gemalto

Ottawa, ON

- Wrote performance testing scripts using python and java to automate retrieval of data into various formats (xml, csv)
- Used SQLAlchemy ORM to efficiently guery and filter from data set with 20,000+ rows
- · Created a web app using JQuery to run and display comparisons between data sets, improving website usability

# **Teaching Assistant** *Carleton University*

Sept 2017 – Dec 2019

Ottawa, ON

- Helped students understand bugs with their code by running through their code with them
- Explained to students various design patterns and data structures/algorithms in Java/Python

## **PROJECTS**

# fserv

#### Golang, PostgreSQL

- $\bar{G}o$  app  $\bar{w}/$  imgur style file name shortening used for self hosting images/files
- Implements JWT authorization
- Serves simple, light HTML website

#### Matrix Calculator

#### React, Redux, TypeScript

- · React SPA that performs matrix operations such as RREF, Transpose, Multiply
- Uses math.js for experimental symbolic algebra support

#### **EDUCATION**

#### **Carleton University**