Rui Zhu

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SKILLS

Languages	Java, JavaScript, Python, Kotlin, TypeScript, Bash, SQL, Golang, Redis
Frameworks	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   *Toronto, ON*
- Implemented new features in VueJS/Vuex front end for service agents
- Performed Accessibility testing on web application, and documented/fixed issues
- Created new endpoints in RESTful NodeJS APIs that were consumed by front end
- Wrote meaningful Unit Tests with Mocha and Jest, maintaining 100% code coverage

Software Engineer Intern   May 2019 – Aug 2019
Capital One   *Toronto, ON*
- Upgraded RESTful API from Spring 4 to Spring Boot 2, improving code maintainablility and currency
- Added performance increasing modifications to object pooling for encryption/decryption classes
- Created unit and integration tests using Wiremock, 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
Ross Video   *Ottawa, ON*
- Worked on SaaS webapp servicing major news stations/arenas in North America
- Implement new features in Javascript/Jquery application such as video players and login groups
- Added UX features for touchpad devices

Software Test Engineer Intern   May 2018 – Aug 2018
Gemalto   *Ottawa, ON*
- Wrote performance testing scripts using python and java to automate retrieval of data (xml, csv)
- Used SQLAlchemy ORM to efficiently query and filter from data set with 20,000+ rows
- Created a web app using JQuery to run and display comparisons between data sets, improving usability

Teaching Assistant   Sept 2017 – Dec 2019
Carleton University   *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

kimosabe
Spring Boot, React/Redux, PostgreSQL, Redis/RediSearch
- Social application for finding buddies to play games with, similar to forum style
- Uses IGDB API cached in Redis, and RediSearch for searching for games
- Ability for users to join/create/moderate groups, add friends, post in subgroups.

fserv
Golang, PostgreSQL
- Go app w/ imgur style file name shortening used for self hosting images/files
- Serves simple, light HTML website with JWT Authentication

EDUCATION

Carleton University   Sept 2016 – Dec 2020
B. Computer Science, 10.7/12 CGPA (3.8/4.0)   *Ottawa, ON*