William Mui

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EXPERIENCE

Software Engineering Intern @ KitchenMate
Jan 2021 – Apr 2021
Toronto, ON
- Currently working with **Node.js**, **Angular.js**, and **PostgreSQL** to power and streamline products and business operations

Software Developer Intern @ BlackBerry
May 2020 – Aug 2020
Ottawa, ON
- Spearheaded a multithreaded OAuth 2.0/OpenID **Java** SDK to facilitate communication between the client and IDP
- Developed an **Express.js** RESTful API to enable single sign-on to cloud services by performing CRUD operations on a Cassandra database
- Wrote isolated unit tests with JUnit by mocking external API calls using Mockito
- Created a GitLab CI/CD pipeline to build and test a **Gradle** project with a JDK **Docker** image

Software Developer Intern @ Infor
Sep 2019 – Dec 2019
Toronto, ON
- Created a **Docker** container for a WebLogic server hosting a large-scale cloud app to reduce developer setup times by 70%
- Wrote and integrated comprehensive Groovy scripts used within a **Jenkins** pipeline and achieved 90% code coverage
- Built tooling to track and log open JDBC connections across large projects using **Java**

Software Developer Intern @ Deep Trekker
Jan 2019 – Apr 2019
Kitchener, ON
- Architected and developed a modular **QML** frontend for an underwater ROV controller
- Integrated embedded ROV commands to the controller using **C++** in a Qt environment

Web Analyst Intern @ AAFC
May 2018 – Aug 2018
Ottawa, ON
- Led the design and development of a charity campaign site using **JavaScript**, HTML & CSS
- Delivered ongoing IT support to AAFC clients within an external SharePoint environment

PROJECTS

Spotify Playlist Generator
Jul 2020 – Aug 2020
github.com/williammui/spotify-app
- Developed a **React.js** app deployed on **Heroku** to help Spotify users organize their music with genre-specific playlists
- Built a RESTful API using **Express.js** to perform CRUD operations with the Spotify Web API
- Implemented OAuth 2.0 user authorization and web sessions persisted on a **MongoDB**

Personal Website
Jul 2020 – Aug 2020
github.com/williammui/personal-website
- Developed a personal portfolio to showcase projects and experiences using **JavaScript**, HTML & CSS
- Designed and implemented a flexible web design to optimize user experience and aesthetic

SKILLS

Languages
Java
JavaScript
Python
SQL

Frameworks
Node.js
Express.js
React.js
Angular.js

Databases
Cassandra
MongoDB
PostgreSQL

Cloud & DevOps
Docker
Heroku
Jenkins
Gradle

EDUCATION

University of Waterloo
Sep 2017 – Apr 2022
Candidate for BASc
Mechatronics Engineering

INTERESTS
Personal fitness
NBA
DJing
Music production