

William Mui

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 Development Intern @ BlackBerry

May 2020 – Aug 2020

Ottawa, ON

- Spearheaded a multithreaded OAuth 2.0/OpenID **Java** SDK, facilitating communication between the client and IDP
- Developed an **Express.js** RESTful API to create and persist tenant users within 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, reducing developer setup times by 70%
- Wrote and integrated comprehensive Groovy scripts used within a **Jenkins** pipeline, achieving 90% code coverage
- Built tooling to track and log open JDBC connections across large projects using **Java**

Full Stack 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 an AWS **MongoDB**

Personal Website

Aug 2020 – Sep 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

📞 (613) 808-2691

✉ wkkmui@uwaterloo.ca

🌐 williammui.com

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