

JACKY MA

Software Developer



<https://toiletmuffin.github.io/>



<https://github.com/toiletmuffin>



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TECHNICAL SKILLS

Programming Languages

C++
Java
JavaScript
Ruby

Design and Development

Agile development
Object oriented programming
Software testing
UI/UX design

Software and Frameworks

Angular
Ionic
Node.js
Ruby on Rails

EDUCATION

Bachelor of Applied Science, University of British Columbia
Major: Computer Engineering

Completion: 2016

TECHNICAL EXPERIENCES

DiscoverNW (New Westminster Hackathon)

February 2018

- Project goal was to develop a transportation themed app that suggested local attractions based on user's available time and distance and provide directions to selected attractions
- Designed an intuitive, mobile friendly UI with Bootstrap framework and custom CSS
- Integrated Google Maps with custom logic to filter the open source data provided by the government
- Project has been pushed to Heroku for demo: <https://discover-hackathon.herokuapp.com/>

Bike Rental Dashboard (Personal Project)

Ongoing

- Building an internal dashboard web application using MEAN stack for current part time job
- Project goal is to improve efficiency of bike rental process and provide better overall usability experience for employees from current system
- Project has been pushed to Heroku for testing and demo: <https://rocky-chamber-15593.herokuapp.com/>

Mojio Security Analysis (UBC Security Project)

September 2016 to December 2016

- Project goal was to analyze Mojio's car connecting platform's security features and report findings of vulnerability back to system owners along with suggestions on the security
- Assessed the threats, risks, and constraints to formulate a testing strategy on the system
- Performed black box penetration testing on their web applications using various penetration testing tools and techniques
- Responsibly disclosed the findings of the analysis to benefit future developers

Mojio Gas Application (UBC Capstone Project)

September 2015 to April 2016

- Designed and created a web application from ideation in a team of four using Ruby on Rails, HTML, CSS, Javascript, PostgreSQL and pushed to Heroku cloud platform as the database server
- Contacted GasBuddy to request access to their API for fetching real world gas prices in Vancouver area
- Integrated Google Maps into application and modified it for gas station location purposes using Google Maps API and filtering based on distance and gas price options
- Connected to Mojio's cloud server using their REST API to retrieve crucial vehicle information such as fuel level and geolocation of client vehicle
- Designed and implemented the app UI using Bootstrap framework with jQuery and custom CSS