

Jacky Ma

Software Developer

 ma.jackymyh@gmail.com

 <https://github.com/toiletmuffin>

TECHNICAL SKILLS

Programming Languages

C/C++
Java
JavaScript (ES6)
PHP
Python
Ruby
SQL
TypeScript

Design and Development

Agile development
Android development
Network protocols
Object oriented programming
Penetration testing
Security protocols
Software testing
UI/UX design

Software and Frameworks

Adobe Photoshop/Illustrator
Angular 2/4+
Heroku
Ionic/Cordova
jQuery
MongoDB
Node.js/Express
Rails
Unity
Vue.js

EDUCATION

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

Completion: 2016

TECHNICAL EXPERIENCES

Bike Rental Dashboard (Personal Project)

Ongoing

- Building a 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