




DAVID MA

QA Test Automation Engineer

Toronto, ON 

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Software Engineer in QA Test Automation with 2 years experience developing functional and regression tests and possesses great understanding of web technologies

- Selenium
- HTML & CSS
- Test processes
- Bug Tracking Tools (JIRA)
- JavaScript/Python
- QA methodologies
- Test case generation
- Source control systems (Git)

Education

 **Web Development Coding Boot Camp**, *School of Continuing Studies, University of Toronto*

2019

COURSE: Full Stack Web Development

 **Bachelor of Business Administration (BBA) & Minor in Computer Science**, *Wilfrid Laurier University*

PROGRAMMING COURSEWORK: Intro to Object-Oriented Programming (Java), System Programming (C/Unix/Shell)

Work Experience

 **Test Automation Engineer** | Chumify Technologies Inc.

Jan 2021 – Present

- Automating regression test cases using WebDriver and Selenium written with Python
- Executing and recording test cases for iOS and Android applications using test automation platform testproject.io
- Performing manual regression, black box and exploratory testing on real and virtual iOS/Android devices
- Designing effective user stories according to product requirements to ensure all requirements are fully covered
- Leading the establishment of end-to-end quality control in the development process
- Maintaining Intercom web integration with automated messages, chat bot responses and user guide articles

 **Lead Quality Assurance Engineer** | Facedrive Inc.

Nov 2019 – Nov 2020

- Designed and prepared test plans for all features in major product releases and reported on test results to managers
- Writing and documenting test cases as well as managing testing efforts of QA team on Qase
- Collaborated with overseas developers to build a set of internal web tools with dashboard and reporting features
- Oversaw regular defect status calls to track progress in defect resolutions and conducting daily review of tickets on JIRA
- Trained new QA members on testing best practices and product knowledge

 **Python Programmer** | Fetchopia Inc.


Jan – April 2013

- Built Python scripts for web crawling/web scraping utilizing the Scrapy and BeautifulSoup frameworks
- Stored data in PostgreSQL database and performed data cleansing on datasets to ensure data quality is achieved
- Configured Linux virtual environments using VirtualBox to execute Python scripts that crawled thousands of web pages

Coding Samples

 **Selenium Code Examples** | <https://github.com/davidma-cpu/selenium-examples>

- Test case examples written using Selenium to automate various functions on web and mobile applications

 **Book Search Application** | <https://github.com/davidma-cpu/google-books-search>

- Built a React.js single page application to search any book using google's API calls
- Implemented client/server application structure and CRUD capabilities with a MongoDB database

 **Data Analysis Script** | <https://github.com/davidma-cpu/bikeshare>

- Used Python to write a script for analyzing Motivate's bike share data and utilized the Pandas package to compute statistics based on command line user input

 **PHP Web Application** | <https://github.com/davidma-cpu/php-demo>

- Built a basic CRUD Application using PHP and Bootstrap with MySQL database