William Mak

Personal Data

Address	Omitted from this posting	Email	william@wmak.io
Phone	Omitted from this posting	GitHub	wmak
Education	Honours BSc, University of Toronto, Computer Science		

Technical Skills

Languages	Python, Go, C, Shell, LaTeX, JavaScript
Software	Git, vim, Jenkins, Sublime, svn, TextMate
Operating Systems	**arch***linux*, Debian, Fedora, Mac OS X, Windows
Frameworks	AngularJS, Django, Selenium, PhoneGap

Work Experience

March 2015 – Present — **Software Developer at *Media Resources***
- Developed a web portal to display diagnostics on a company's digital billboards
- Created an application allowing users to layout any number of webcams on a page
- Gave users a responsive live visual representations of billboards using PaperJS
- Produced a method for users to customize schedules through a step chart created through Highcharts
- Implemented an automated test suite through the use of Protractor
- Setup, configured and maintained a Jenkins instance to automate development and production releases
- Migrated our automation suite to Gitlab as to provide Chinese developers continuous access to Servers

Jun 2014 – Aug 2015 — **Programmer at *University of Toronto***
- Constructed a mobile application using JavaScript via PhoneGap and AngularJS
- Designed the user interface based on user input(ie. Director of The Hub).
- Created a Python script that used Twitter's API to create a blogpost for the Vice-Principal of Research, U of T Scarborough.

Sep 2012 – Dec 2013 — **QA Automation Engineer *Kobo***
- Engineered tests using Selenium Webdriver library based on the Page Object pattern.
- Performed Exploratory Testing to identify and communicate defects to developers.
- Investigated failures with the system to diagnose the root cause of the issue and created defects reports on findings.
- Configured and maintained a continuous integration test suite using Jenkins.
- Participated in the Agile Scrum process.
- Critiqued and reviewed UX designs.

Personal Projects

- Created a web automation framework around Selenium: selenate(github.com/wmak/selenate), with over 1000 downloads in the first 3 days of release.
- Designed an algorithm(wmak.io/t) using unicode that would be able to store Latitude and Longitude in 4 characters, accurate up to 7 decimal points.
- Participating in an open source project Hermes(github.com/hermes), a distributed unlimited redundant backup solution written in Go.
- Developed a golf swinging analysis program swingr(github.com/swingr) using OpenCV to track the head of a golf club giving a user a relative score against a "master" swing.
- Created an image analysis program iris(github.com/IrisDS) that could locate the relative positions of the capturing devices from one another using OpenCV and python.