William Mak

Personal Data

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

Technical Skills

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

Work Experience

June 2014 – Present

Programmer at University of Toronto Scarborough

- Constructed a mobile application using HTML, CSS and JavaScript via PhoneGap.
- Met with users (ie. Director of The Hub) to discuss and construct the user interface.
- Used an HTML templating system to make development more efficient, as well as making changes between operating systems easier.
- Wrote a Python script that used Twitter's API to create a blogpost for the Vice-Principal, Research, U of T Scarborough.

Sept 2012 – Dec 2013

QA Automation Engineer at Kobo, Toronto

- Engineered tests using Selenium Webdriver library based on the Page Object pattern.
- Experienced with utilizing the Saunter framework.
- 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 twitter add-on Fyr that leverages the Twitter and Google APIs to place tweets on a map based on the location that tweet.
- Designed an algorithm 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, a distributed unlimited redundant backup solution written in Go.
- Created a web automation framework around selenium: selenate, with over 1000 downloads in the first 3 days of release.
- Built a CMS to organize classrooms and tutorials using Django and SQLlite: Lethargic-Development.
- Created an image analysis program iris that could locate the relative positions of the capturing devices from one another using OpenCV and python.
- Developing a Go implementation of RaptorQ; "The worlds most advanced forward error correction (FEC) code for data networks" go-raptor