

William Mak

Personal Data

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

Technical Skills

Languages: Python , Go, C, Shell, ~~TeX~~^{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 <ul style="list-style-type: none">- 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 <ul style="list-style-type: none">- 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.

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 SQLite: [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](#)