

William Mak

Personal Data

ADDRESS	Omitted from this posting	EMAIL	<code>william@wmak.io</code>
PHONE	Omitted from this posting	GITHUB	<code>wmak</code>
EDUCATION	Honours BSc, University of Toronto, Computer Science		

Technical Skills

LANGUAGES	Python, Go, C, Shell, PHP , JavaScript
SOFTWARE	Git, vim, Jenkins, Sublime, svn, TextMate
OPERATING SYSTEMS	<i>archlinux</i> , Debian, Fedora, Mac OS X, Windows
FRAMEWORKS	AngularJS, Django, Selenium, PhoneGap

Work Experience

JUN 2014	Programmer at <i>University of Toronto</i>
PRESENT	<ul style="list-style-type: none">- Constructed a mobile application using JavaScript via PhoneGap and AngularJS- Designed the user interface based on user input(ie. Director of <i>The Hub</i>).- Wrote a Python script that used Twitter's API to create a blogpost for the Vice-Principal of Research, U of T Scarborough.
SEP 2012	QA Automation Engineer <i>Kobo</i>
DEC 2013	<ul style="list-style-type: none">- Engineered tests using Selenium Webdriver library based on the Page Object pattern.- Experienced with utilizing the <i>Saunter framework</i>.- 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)` that through the use of OpenCV would 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.
- Developing a Go implementation of RaptorQ; "The world's most advanced forward error correction (FEC) code for data networks" `go-raptor(github.com/hermes/go-raptor)`