

# William Mak

## Personal Data

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Address: Omitted from this posting	Phone: Omitted from this posting
Email: <a href="mailto:William@wmak.io">William@wmak.io</a>	GitHub: <a href="#">wmak</a>
Education: Honours Bachelors of Science at the University of Toronto	

## Technical Skills

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Languages: Python , Go, C, Shell, ~~TeX~~ <sup>LaTeX</sup>, 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

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June 2014 Present	<b>Programmer at University of Toronto Scarborough</b> <ul style="list-style-type: none"><li>- Constructed a mobile application using HTML, CSS and JavaScript via PhoneGap.</li><li>- Met with users (Director of <a href="#">The Hub</a>) to discuss and construct the user interface.</li><li>- Used a HTML templating system to make development more efficient as well as making changes between operating systems easier.</li><li>- Wrote a Python script that used Twitter's API to create a blogpost for the Vice-Principal, Research, U of T Scarborough.</li></ul>
Sept 2012 Dec 2013	<b>QA Automation Engineer at Kobo, Toronto</b> <ul style="list-style-type: none"><li>- Engineered tests using Selenium Webdriver library based on the Page Object pattern.</li><li>- Experienced with utilizing the <a href="#">Saunter framework</a>.</li><li>- Performed Exploratory Testing to identify and communicate defects to developers.</li><li>- Investigated failures with the system to diagnose the root cause of the issue and created defects reports on my findings.</li><li>- Configured and maintained the continuous integration of the test suite using Jenkins.</li><li>- Participated in the Agile Scrum process.</li><li>- Critiqued and reviewed UX designs.</li></ul>

## Projects

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- 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, and accurate up to 7 decimal points.
- Participating in an open source project written in Go [Hermes](#), a distributed unlimited redundant backup solution.
- 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](#)