

# WILLIAM MAK

## Personal Data

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ADDRESS	126 Majestic Drive, Markham Ontario	EMAIL	william@wmak.io
PHONE	(416)-953-7198	GITHUB	wmak
EDUCATION	Honours BSc, University of Toronto, Computer Science		

## Technical Skills

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LANGUAGES	Python, Go, C, Shell, L <sup>A</sup> T <sub>E</sub> X, JavaScript
SOFTWARE	Git, vim, Jenkins, Sublime, svn, TextMate
OPERATING SYSTEMS	<b>arch</b> linux, Debian, Fedora, Mac OS X, Windows
FRAMEWORKS	AngularJS, Django, Selenium, PhoneGap

## Work Experience

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MARCH 2015	<b>Software Developer at <i>Media Resources</i></b>
PRESENT	<ul style="list-style-type: none"><li>- Developing a web portal to display diagnostics on a company's digital billboards.</li><li>- Created a page allowing users to layout any number of webcams on a page to view them simultaneously</li><li>- Setup, configured and maintained a Jenkins instance to automate development and production releases</li><li>- Used PaperJS to create responsive live visual representations of billboards.</li><li>- Allowed users full customization of brightness schedules through a step chart created through Highcharts</li></ul>
JUN 2014	<b>Programmer at <i>University of Toronto</i></b>
AUG 2015	<ul style="list-style-type: none"><li>- Constructed a mobile application using JavaScript via PhoneGap and AngularJS</li><li>- Designed the user interface based on user input(ie. Director of <i>The Hub</i>).</li><li>- Wrote a Python script that used Twitter's API to create a blogpost for the Vice-Principal of Research, U of T Scarborough.</li></ul>
SEP 2012	<b>QA Automation Engineer <i>Kobo</i></b>
DEC 2013	<ul style="list-style-type: none"><li>- Engineered tests using Selenium Webdriver library based on the Page Object pattern.</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 findings.</li><li>- Configured and maintained a continuous integration test suite using Jenkins.</li><li>- Participated in the Agile Scrum process.</li><li>- Critiqued and reviewed UX designs.</li></ul>

## Personal Projects

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- Created a web automation framework around selenium: [selenate\(github.com/wmak/selenate\)](https://github.com/wmak/selenate), with over 1000 downloads in the first 3 days of release.
- Designed an [algorithm\(wmak.io/t\)](https://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\(github.com/hermes\)](https://github.com/hermes), a distributed unlimited redundant backup solution written in Go.
- Developed a golf swinging analysis program [swingr\(github.com/swingr\)](https://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\(github.com/IrisDS\)](https://github.com/IrisDS) that could locate the relative positions of the capturing devices from one another using OpenCV and python.