William Mak

Personal Data

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GitHub:	wmak

Technical Skills

Languages:	Python , Go, C, Shell, Markdown, LaTeX, 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 – Aug 2014

Programmer at University of Toronto Scarborough

- Constructed a mobile application using HTML, CSS and JavaScript via PhoneGap.
- Met with users (Director of The Hub and the President of the University of Toronto) to discuss and construct the user interface.
- 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 my findings.
- Configured and maintained the continuous integration of the test suite using Jenkins.
- Participated in the Agile Scrum process.
- Critiqued and reviewed UX designs.

Projects

- Participating in an open source project 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 SQLlite, Lethargic-Development
- Programmed an AI that would have a spacecraft safely land on the virtual surface of Venus in C++
- Created an image analysis porgram 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

Education

Honours Bachelors of Science, **University of Toronto** Computer Science Specialist