

Corey Wu

2A Computer Engineering

<https://github.com/coreywu> • c69wu@uwaterloo.ca

SKILLS SUMMARY

- **Languages:** Java, Python, C#, C++, Assembly, PHP, MySQL, HTML, CSS, MATLAB
- **APIs/Tools:** Eclipse, Android, JUnit, Git, Vim, Selenium Browser Automation, Sauce Labs, Buildbot
- **Systems:** Windows, Linux (Crunchbang), Mac

EXPERIENCE

Test Automation Developer

Toronto, ON

Polar (formerly Polar Mobile)

Apr. 2013 – Aug. 2013

- Designed automated testing architecture using Buildbot to automatically run tests written in Java.
- Helped company achieve continuous deployment by through continuous integration using Buildbot, reducing release cycle time significantly.
- Developed and executed Selenium test cases in Java using the JUnit framework to thoroughly test mobile and web applications with multiple browsers in parallel.

Key Technologies: Java, JUnit, Eclipse, Selenium, Bash, Buildbot.

PROJECTS

UW Food Menu

Waterloo Food Services Android App

Mar. 2013 – Present

- Designed a parser to asynchronously request and parse JSON data from the University of Waterloo API into data to be displayed in app; data is fetched weekly and cached for future use.
- Integrated with Google Maps API to display location data and operational hours of eateries.
- Implemented Python and PHP scripts to parse API data and store in a MySQL or SQLite database.
- Collaborated in a team of three using Git for version control by implementing a feature branch workflow with issue tracking.

Key Technologies: Java, Eclipse, Python, PHP, MySQL, Git.

EDUCATION

Candidate for Bachelor of Applied Science

Waterloo, ON

University of Waterloo

Sept. 2012 – Present

- **Relevant Projects**

- **Android Map Navigation App**

- Designed an Android application to algorithmically navigate a user past obstacles to a chosen destination using an SVG map.
 - Implemented constant polling from magnetic field and gyroscope sensors to determine the user's position and orientation.
 - Created a finite state machine to determine user's movements.

- **Awards**

- **Faculty of Engineering Upper-Year Scholarship**, University of Waterloo

June 2013

- * Awarded to the top student in each class based on academic performance.

- **Dean's Honour List**, University of Waterloo

Mar. 2013 & June 2013