

# Corey Wu

## 2A Computer Engineering

<https://github.com/coreywu> • [c69wu@uwaterloo.ca](mailto:c69wu@uwaterloo.ca)

### SKILLS SUMMARY

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

### EXPERIENCE

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#### 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

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#### 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

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#### 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