

# Corey Wu

2A Computer Engineering

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## 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.
- Extensively documented automated testing infrastructure for others to carry on with.

**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.
- 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.
- Used Git for version control and implemented 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

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### 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