

Corey Wu

3A Computer Engineering

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SKILLS SUMMARY

Languages:

- **Experienced with:** Java, Python
- **Familiar with:** C, C++, C#, Assembly, JavaScript, PHP, Bash, VHDL

Technologies: PostgreSQL, MySQL, SQLite, Amazon EC2, Vagrant, VirtualBox, L^AT_EX

Tools: Git, Eclipse, Android Studio, Vim

EXPERIENCE

Toast Inc.

Boston, MA

Software Engineer Intern

Aug. 2014 – Dec. 2014

- Developed features and bug fixes for Android app and Java Play webserver.
- Designed and implemented data models and JSON serializing/deserializing logic for new Customer Relationship Management component; wrote scripts for database migrations.

Key Technologies: Java, Android, PostgreSQL, Play Framework, JavaScript, Heroku, Hibernate.

Seeq

Seattle, WA

Software Engineer Intern

Jan. 2014 – Apr. 2014

- Implemented features for monitoring and configuration of server application.
- Developed cloud-based test architecture to perform tests on Amazon EC2 VMs using Vagrant.
- Worked with graph databases (Titan & Neo4j) and big data technology.

Key Technologies: Java, Titan, Vagrant, Amazon EC2, Python.

Polar

Toronto, ON

Test Automation Developer

Apr. 2013 – Aug. 2013

- Helped team achieve continuous deployment using Buildbot, significantly reducing release cycle time.

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

PROJECTS

Calendr

Event Scheduling Android App

Oct. 2014 – Present

- Created an event scheduling Android app using Google Calendar and Contact APIs.
- Implemented algorithm for selecting optimal event times based on participants' schedules.

Key Technologies: Java, Android, PHP, MySQL.

Embedded Connect 4 Game

Connect 4 with AI on a Microcontroller

Nov. 2014 – Present

- Built on a TI TM4C123 Microcontroller with output to an LCD display.
- Implemented minimax algorithm with alpha-beta pruning for intelligent AI.

Key Technologies: C, Python.

UW Food Menu

Waterloo Food Services Android App

Jun. 2013 – Aug. 2013

- Designed an Android app which displays food services data from the University of Waterloo API.
- Implemented caching of data on device and integrated with Google Maps API.

Key Technologies: Java, Android, Python, PHP, MySQL.

Relevant Courses: Algorithms & Data Structures, Compilers, Operating Systems, Embedded Systems