Corey Wu

4A Computer Engineering
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SKILLS SUMMARY

Languages: Java, Kotlin, Scala, Python, C/C++, JavaScript
Tools: Spark, Solr, Android SDK, ANTLR, PostgreSQL, Flask

EXPERIENCE

Coursera Mountain View, CA
Software Engineering Jan. 2016 – Apr. 2016

- Developed major new features for Android application: course updates page, course dashboard and peer review assignments.
- Built first new feature module in Kotlin, leading team in adoption of Kotlin for Android development.

Key Technologies: Android SDK, Kotlin.

Bloomberg L.P. New York City, NY
Software Engineering May. 2015 – Aug. 2015

- Designed and built domain specific language component of a distributed Solr analytics project using ANTLR; created a generic, extensible DSL framework.
- Implemented parser and executor to run Spark operations for analytics on Solr documents.

Key Technologies: Apache Solr, Apache Spark, ANTLR, Jetty.

Toast Inc. Boston, MA
Software Engineer Intern Aug. 2014 – Dec. 2014

- Designed and implemented data models and JSON serialization/deserialization logic for new Customer Relationship Management component.
- Developed features and bug fixes for Android application and Java Play webserver.

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

Seeq Seattle, WA
Software Developer Intern Jan. 2014 – Apr. 2014

- Implemented features for monitoring and configuration of server application and computation engine.
- Built cloud-based integration test architecture to automatically spin up VMs and execute tests.

Key Technologies: Titan, Vagrant, Amazon EC2.

PROJECTS

UW Co-op Data Analysis: Distributed graph algorithms (PageRank, Connected Components) on UW co-op data using Apache Spark.

Embedded Connect Four: Connect Four game on microcontroller with LCD graphics display; implemented minimax algorithm with alpha-beta pruning for fast and intelligent AI.

UW Food Menu: Android application for viewing menus of University of Waterloo eateries.

Relevant Courses: Algorithms & Data Structures, Compilers, Operating Systems, Computer Networks, Databases