Corey Wu

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SKILLS SUMMARY

Languages: Java, Kotlin, Scala, Hack, Python, C/C++
Tools: Apache Spark, Apache Solr, Android SDK, ANTLR, PostgreSQL, Play Framework, Flask

EXPERIENCE

Facebook   Menlo Park, CA
Software Engineer Intern   Aug. 2016 – Dec. 2016
- Designed and developed major new Facebook for Android features for the Goodwill Daily Dialogue and Cultural Moments team.
- Implemented improvements to backend ranking of daily dialogue units in Hack.

  Key Technologies: Android SDK, Java, Hack, PHP

Coursera   Mountain View, CA
Software Engineer - Android   Jan. 2016 – Apr. 2016
- Developed major new features for Android application: course updates page, course dashboard and peer review assignments.
- Built first new feature in Kotlin, leading the 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 Spark, Apache Solr, ANTLR, Jetty.

EDUCATION

Bachelor's of Applied Science   University of Waterloo
Computer Engineering   Sept. 2012 – Apr. 2017
- Graduated with Distinction - Dean's Honour List

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.

Calendr: Android application for simple event scheduling, built at HackTheNorth.