KEVIN LAM

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Education

Master of Science, Computer Science — March 2018
University of California, Riverside — GPA 3.70

Bachelor of Science, Biochemistry — December 2013
University of California, San Diego — GPA 3.33

Skill

Languages: Java, HTML5, CSS3, XML
Frameworks: Android, SQL, Hadoop: Mapreduce
Tools: Git, Mercurial, Agile, Bitrise
Libraries: Android Architectural Components, Butterknife, Dagger2, Expresso, Glide, LeakCanary, Retrofit, RxJava2, RxAndroid, UiAutomator

Personal Project

Meridian — September 2018 - October 2018
Android application [**https://goo.gl/sK3NbL**]

- Allows users to read the daily news retrieved from the New York Times.
- Provides offline support through **Glide** image caching and **Room** data caching.
- Performed unit testing along with UI testing using **Expresso** and **UiAutomator**.
- Used **Bitrise CI/CD** for automated testing and easy package installs.
- Frontend: **Java, XML**; Database-cache: **Room**; Architectural pattern: **MVVM**

Restaurando — January 2016 - April 2016
Android application [**https://goo.gl/xXB5nh**]

- Allows users to store desired restaurants and, after applying additional filtering, the program can then select a dining location from the remaining choices.
- Published on Google Playstore with over 300 total downloads.
- Eliminated hours spent deciding where to eat.
- Frontend: **Java, XML**; Database-persistent-storage: **SQLite**

Academic Project

Twitter News Search Engine — September 2016 - November 2016
Web application

- Search engine which searches through collected news Tweets given a user's query.
- Worked closely with a front-end team member to ensure the development of an efficient inverted index data structure.
- Employed strategies such as BM25 similarity scoring, term-at-a-time ranking, and Porter/K stemming to increase relevancy of search results.
- Front-end: **HTML5, CSS3**; Back-end: **Java**; Inverted index: **Lucene, Hadoop**

Experience

CSE Department @ UC Riverside — April 2017 - March 2018
Teacher's Assistant

- Courses: Intro to Computer Science (x2), Intro to Computing (x1)
- Created and delivered lectures on coding concepts and debugging strategies.
- Graded exams and assignments.

Extra-curricular

Firefox for Android (on-going) — June 2016 - Present
Open source

- Debugged visual inconsistencies in the user interface during a device's orientation change in hopes of improving user experience.