RICKY KUANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, Santa Barbara, CA   Expected June 2018
Bachelor of Science, Computer Science   GPA: 3.57/4.00
- Minor: Statistical Science

TECHNICAL PROFICIENCIES

- Programming Languages: C++, C, CSS, HTML, Java, JavaScript, Python, Ruby
- Software Development Tools: Android Studio, AWS, Bootstrap, Firebase, Git, Ruby on Rails, Xcode

PERSONAL PROJECTS

Homies, *Android*   *Spring 2017*
Firebase, Java, XML
- Developed an application where users can organize aspects of shared living among housemates
- Integrated Firebase's Real-Time Database to allow for live updates and notifications for forum posts
- Complied with Material Design standards and principles to create a visually appealing application

Cowbell, *Android*   *Spring 2016*
Java, XML
- Developed an alarm clock application where users create flashcards and play stimulating mini-games
- Practiced Extreme-Programming (XP) and other Agile principles to improve flexibility and increase productivity

Chronooz, *Full Stack Development*   *Winter 2017*
Ruby on Rails, HTML, CSS
- Created a news web application that displays a timeline of related events for the most popular news stories
- Utilized APIs from various news sources to extract resources from articles and establish story connections
- Established and completed objectives with a partner over the course of a 72-hour hackathon

ACADEMIC PROJECTS

Stars R Us, *Database Management System*   *Fall 2017*
Java, MySQL, JDBC
- Developed a software system for a fictional brokerage where users can trade stocks and manage accounts
- Designed and implemented a relational database by identifying entities, relationships, and integrity constraints

Map-Reduce Replicate, *Distributed Systems*   *Spring 2017*
Python, Eucalytptus
- Implemented the map-reduce programming model to understand how big data is processed in large clusters
- Acquired knowledge about reaching consensus in distributed systems using the Paxos algorithm

Parallel Breadth-First Search, *Parallel Programming*   *Winter 2017*
C++, Cilk
- Implemented Leiserson's and Shardl's parallel BFS algorithm using the bag data structure
- Evaluated results and optimized code to improve performance, parallel efficiency, and scalability

WORK EXPERIENCE

End User Computing Student Tech Assistant   *Mar. 2017 – Present*
UCSB Enterprise Technology Services, Santa Barbara, CA
- Performed installation, upgrades, maintenance, and removal of computer systems, components, and peripherals
- Identified, diagnosed, and resolved level one service requests regarding computer hardware and software

Retail Sales Associate   *Summers 2013 – 2016*
Pierce College Bookstore, Woodland Hills, CA
- Managed inventory and merchandise displays for a 200+ item catalog while providing prompt customer support