RICKY KUANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, Santa Barbara, CA — Expected June 2018
Bachelor of Science, Computer Science — GPA: 3.60/4.00

- 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

Mosaic, *Full Stack Development* — *Winter 2017*
Ruby on Rails, HTML, CSS, JavaScript

- Developed a social media web application where users create accounts, post images, and interact
- Designed and implemented the front-end using Twitter Bootstrap to make accessible and attractive web pages
- Employed Ruby gems to streamline development on essential components

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

ACADEMIC PROJECTS

KOS, *Operating Systems* — *Winter 2017*
C

- Developed an operating system for a simulated MIPS machine the mimics the functionalities of Linux
- Learned about how running programs exist in memory, request services from the OS through exceptions and interrupts, and compete for resources given by the OS's scheduler

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 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