Rohan Suresh

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EDUCATION

University of California, Berkeley — **Berkeley, CA**
Electrical Engineering and Computer Science (B.S.) — *August 2015 - May 2019*
• Regents and Chancellor's Scholarship Candidate (2015)
• Relevant Coursework: Designing Information Devices and Systems, Data Structures and Algorithms, Machine Structures, Discrete Math and Probability, Signals and Systems, Data Science, Artificial Intelligence, Databases, Security

PROFESSIONAL EXPERIENCE

zyBooks — **Los Gatos, CA**
Software Engineering Intern — *May 2017 – August 2017*
• Worked with zyBooks development team on improving the overall quality of user platform and internal apps
• Worked full stack to develop a new internal order management system for tracking communications and requests from university bookstores
    • Involved creation of REST API's and UI along with integration into internal apps
    • Gained experience in Ember.js, Flask, AWS, MySQL
• Referral: Scott Sirowy - zyBooks Director of Engineering (scott.sirowy@zybooks.com)

UC Berkeley RISE Lab - Clipper — **Berkeley, CA**
Undergraduate Researcher — *January 2018 - Present*
• Working with Clipper team at UC Berkeley and contributing to open source project starting Spring 2018

UC Berkeley ASPIRE Lab — **Berkeley, CA**
Undergraduate Researcher — *February 2017 – May 2017*
• Studied optimization in MRI using the Gadgetron framework

PROJECTS AND EXTRACURRICULARS

Text Editor
• Used JavaFX library to build a working text editor that included basic editor functions
    • Also included text manipulation capabilities such as: wrapping, scrolling, opening files, and saving files

Mapping Application
• Mapping application that rendered a city map of Berkeley, CA and implemented A* search algorithm
    • Utilized advanced data structures such as quad trees

Voice Command Car
• Voice activated car model that moves straight and turns on command
    • Involved front-end circuit design, PCA classification, K-means clustering

NBA Playoff Elimination Simulation
• Used NBA game data to make a simulation that determined each team's elimination date from the playoffs

Computer Science Mentors (CSM)
• Academic organization on campus that holds weekly tutoring sections for lower division CS and EE courses
• Senior mentor for EE16A in its inaugural semester doing both teaching and content creation

Sports Analytics Group at Berkeley (SAGB)
• Member of Research Division since Fall 2016, currently on the projects board as co-coordinator
• Research with NBA player tracking data to analyze movement patterns and their effects on offensive efficiency (paper)
• Consulting for Golden State Warriors in Spring 2018 about team insights using player tracking data

SKILLS, AWARDS, INTERESTS

• CS languages, frameworks, libraries: Python, Java, JS, SQL, C, Ember.js, Flask, NumPy, Pandas, Scikit-learn, Spark
• Eagle Scout (achieved in October 2014)
• Working proficiency of Spanish
• Sports: Pinewood High School basketball (2011-2015), Cal Intramural basketball (2015-present)

* E-copy of this document for viewing/download available at https://github.com/rohsuresh/resumes/blob/master/RohanSureshResumeSp18.pdf