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)

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
- Consulting for Golden State Warriors in Spring 2018 about team insights using player tracking data
    - Using player tracking data to analyze movement patterns and their effects on metrics of team efficiency

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)