

# Rohan Suresh

(650)-823-4075

rohansuresh@berkeley.edu

## 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](mailto: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
- 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)

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