

# Richard Huang

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## Education

### UC Berkeley Computer Science BA

Aug 2018 – Present 3.73 GPA

Coursework: CS 61A Structure and Interpretation of Computer Programs, CS 61B Data Structures, CS 61C Machine Structures, CS 70 Discrete Mathematics and Probability Theory, EE 16A: Designing Information Devices and Systems

## Experience

### Linux System Administrator ISG UC Berkeley

Oct 2018 – Present Berkeley, CA

- Mass deployed a custom Unix OS onto computer hives in Berkeley labs
- Prevented storage overload bug that would have caused system-wide crash
- Helped host and run annual ACM International Collegiate Programming Contest

### CS61B Academic Intern UC Berkeley

Jan 2019 – Current Berkeley, CA

- Reinforce student knowledge of data structure concepts and algorithms as member of course staff
- Strong knowledge of OOP, Sorting Algorithms, Graph Traversal, Hashing, Runtime Analysis, and Binary Trees
- Staff weekly reviews for students; focus on conceptual application through projects, homework, and labs

### President EVHS Robotics

Aug 2016 – May 2018 San Jose, CA

- Organized and hosted the 2017 FRC CalGames
- Won 2018 San Francisco Regional Engineering and Inspiration Award, qualifying FIRST Championship
- Programmed core robot subsystems, taught workshops, increased members by 30%

### Core Webmaster EVHS Speech and Debate

May 2016 – May 2018 San Jose, CA

- Developed a web app that handles all logistics, users, member balances, \$60k+/year, tournaments
- Responsible for server upkeep, configuration, and reliable operation

## Projects

### Alexa Skills Developer

Dec 2017 Node.js, AWS Lambda

- Developed 11 Alexa skills using Node.js and AWS Lambda with 7000+ unique users
- Tells users interesting random facts about the topic asked

### Blockchain POC

Mar 2018 Java

- Built a proof-of-concept blockchain in Java based on analysis of the Bitcoin whitepaper by Satoshi Nakamoto

### BookAR

Feb 2018 C#, Unity, Vuforia

- Created a mobile app that recognizes a book and displays information about it in augmented reality
- Winner of Most Useful Hack at EVHacks III

### Cougle cougle.ml

Feb 2018 PHP, HTML, CSS, Linux

- Created an online anonymous peer-counseling forum with 300+ users to assist students in a high school with a 4:3000+ counselor to student ratio
- Presented to school district board members who were inspired by it to create an advice forum at our school

### Mext

May 2016 Java, Twilio, GoogleSearch API, YoutubePlay

- Created a Rube Goldberg system with a bunch of API's that plays music and takes song requests via text
- Winner of the Most Technical Hack at EVHacks

## Skills

Languages: Java, Python, C++, Meteor.js, Node.js, HTML/CSS, Scheme, LATEX, Golang, SQL, AWS, Robotics

Tools: Git, Linux, Bash, Vim, Gdb

Human Languages: Mandarin (fluent), French (proficient)