

# Richard Huang

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## Education

### University of California, Berkeley Computer Science BA

Aug 2018 – Dec 2020 3.8 GPA

Extracurricular: Upsilon Pi Epsilon (UPE) Computer Science Honor Society, Open Computing Facility (OCF) Staff

Coursework: Algorithms, Data Structures, Machine Structures, AI, Discrete Math, Probability Theory, Security

## Experience

### Incoming Production Engineer Intern Facebook

Jun 2020 – Aug 2020 Menlo Park, CA

### Software Engineer Intern 8th Wall

May 2019 – Aug 2019 Palo Alto, CA

- Constructed new sign up flow for new console account system using React, Redux, Express, AWS Cognito
- Programmed contract automation using Javascript, PostgreSQL, Stripe
- Automated application billing and upgrading

### Linux System Administrator ISG UC Berkeley

Oct 2018 – Present Berkeley, CA

- Mass deployed a custom Unix OS onto hive of 100+ computers in Berkeley labs
- Prevented storage overload bug that would have caused system-wide crash
- Hosted and ran annual ACM International Collegiate Programming Contest

### CS61B Academic Intern UC Berkeley

Jan 2019 – May 2019 Berkeley, CA

- Reinforce student knowledge of data structure concepts and algorithms as member of course staff
- Strong knowledge on 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

## 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

### BookAR

Feb 2018 C#, Unity, Vuforia

- Created a mobile app that recognizes and displays information about a book 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
- Demonstrated to and inspired school district board members to create an advice forum at our school

### EVSD Web App evsd.club

May 2016 – May 2018 Meteor.js, MongoDB, Linux

- Developed a web app that handles all logistics, 400+ users, member balances, \$60k+/year, tournaments
- Responsible for server upkeep, configuration, and reliable operation

## Skills

Languages: Java, Python, Golang, C++, Javascript, Kotlin, HTML/CSS, Scheme, LATEX, SQL, Robotics

Tools: Ansible, PostgreSQL, Git, Linux, Bash, Vim, GDB, AWS, GCP

Libraries/Frameworks: Node, Meteor, Stripe, React, Redux, Express

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