Richard Huang

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Education

UC Berkeley   Computer Science BA
Aug 2018 - Present   3.76 GPA
Coursework: Algorithms, Data Structures, Machine Structures, Artifical Intelligence, Discrete Math, Probability Theory

Experience

Software Engineer Intern   8th Wall
May 2019 - August 2019   Palo Alto, CA
- Contstructed 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

President   EVHS Robotics
Aug 2016 - May 2018   San Jose, CA
- Organized and hosted the 2017 FRC CalGames with 36 teams/2000+ attendees
- Won 2018 San Francisco Regional Engineering and Inspiration Award, qualifying FIRST Championship
- Programmed core robot subsystems, taught workshops, increased members by 30%

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, HTML/CSS, Scheme, LATEX, SQL, Robotics
Tools: Git, Linux, Bash, Vim, GDB, AWS, GCP, PostgreSQL
Libraries/Frameworks: Node, Meteor, Stripe, React, Redux, Express
Human Languages: English (native), Mandarin (fluent), French (proficient)