

# RICHARD HUANG

## STUDENT

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### » Skills

#### COMPUTERS

Windows  
Linux  
Robotics  
Programming

#### OTHER

Journalism  
Social Networking

#### PROGRAMMING

Java  
Javascript  
C++  
Bash (Un\*x shell)  
Web Development  
Python

### » Education

#### UC Berkeley

4.0 GPA

Courses: Data Structures, Discrete Mathematics and Probability Theory, Structure and Interpretation of Computer Programs  
B.A. Computer Science

Aug. 2018 to Current

#### Evergreen Valley High School

4.31 GPA

Courses: AP Calculus AB, AP World History, AP Literature, AP Computer Science, AP Physics C, AP Calculus BC, AP Language Arts, AP Statistics, AP Government, AP Economics, AP French, AP Chinese  
2014-2018

Aug. 2014 to May 2018

### » Activities

#### ICPC -ACM International Collegiate Programming Contest

Linux System Administrator

San Francisco Bay Area  
Oct. 2018 to Current

As a Linux sysadmin, I helped deploy a custom Unix operating system onto the computers in the Berkeley labs and maintain them.

"The International Collegiate Programming Contest is an algorithmic programming contest for college students. Teams of three, representing their university, work to solve the most real-world problems, fostering collaboration, creativity, innovation, and the ability to perform under pressure. Through training and competition, teams challenge each other to raise the bar on the possible. Quite simply, it is the oldest, largest, and most prestigious programming contest in the world."

#### EVHS Robotics

President

Aug. 2016 to May 2018

I teach programming workshops, maintain the website & update it, program vision tracking software & other subsystems for our robot. Our members increased by more than 30% in previous years. Furthermore, I helped organize & host the 2017 FRC CalGames. We also won the 2018 San Francisco Regional Engineering and Inspiration Award and qualified to go to the international FIRST Championship for the first time since our club was founded.

#### EVHS Speech and Debate

Webmaster, Lead System Administrator and Database Manager

May 2016 to Current

I create the website for the club that handles all the club logistics, user accounts, member balances, transactions (>\$60k transactions/year), tournament signups, and update posts. I am responsible for server upkeep configuration, and reliable operation.

#### Web Dev Club

President

May 2016 to Aug. 2017

I taught students how to build websites, use Git (a version control manager) and GitHub to store their code, and how to make basic web applications. Members were able to make their own personal website & help make websites for other clubs in our school.

#### Multicultural Culinary Arts Club

Vice President

Aug. 2017 to Current

Helped organize cooking sessions, cooking competitions, and taught multicultural recipes. Invited professional dietician to educate members on nutrition.

#### HS HACKS

Organizer

Dec. 2016 to Mar. 2017

I organized the biggest high school hackathon in the world (1300+ attendees) and maintained the event logistics, inviting guest speakers from Major League Hacks, Amazon, Digital Ocean, Make School, and IBM. I built the website & served food to attendees.

#### Aborn Institute

Teacher

Aug. 2015 to June 2017

Each day, I taught 30 elementary & middle school students Olympiad math, English, and Chinese and helped them with their schoolwork. All of them have improved their grades in school. I inspired their love to learn new subjects and utilize their curiosity.

### » Projects

#### Mext

Music on demand via testing. Winning hack for EVHacks hackathon in 2015 for Most Technical Hack.

#### Modular Laptop

A conceptual idea of a module-based laptop presentation for a business meeting.

#### Coogle

I made an online anonymous forum for students to help each other out with the challenges of high school

#### EVSD Website

Website for the Evergreen Valley High School Speech and Debate club.

### » Awards

#### Einstein Award (1st place) at Synopsys Sciencepalooza · Synopsys

Awarded the Einstein Award for the best science fair project.

Jan. 2015

#### Most Technical Hack · EVHacks

Awarded for creating the most useful, creative, and interesting mobile app.

Oct. 2015

#### Best Android Game at Teen Hackathon · Rauhmel Fox

Awarded for creating the best Android game

Mar. 2015

#### Engineering Inspiration Award · FIRST

Awarded for celebrating extraordinary enthusiasm and spirit through exceptional partnership and teamwork furthering the objectives of FIRST; having a spirit that is consistent both throughout the team and also throughout the contest in attitude, appearance, originality, and depth; and one that is part of the team and is apparent in all we do, including at our school, in our community, with sponsors and other teams, etc, and displays obvious enthusiasm – in supporting teams, appearance, interactions with teams/judges, etc. – at the competition.

Mar. 2018

#### Best App · EVHacks III

Awarded for creating the most useful, creative, and interesting mobile app.

Feb. 2018

#### Most Useful Hack · EVHacks III

Awarded for creating the most useful and innovative utility hack

Feb. 2018

### » Volunteering

#### Momentum · Teacher

Science National Honors Society

I teach disadvantaged kids about STEM fields through hands-on labs; I developed an edu lab where they made robotic arms w/ household objects, teaching basic robotics & human anatomy. I inspired their interest for STEM & built up their hands-on skills.

Aug. 2015 to Current

#### San Jose Public Library · Tech Mentor

Village Square Branch Library

I help people at the library with computer questions and problems ranging from computer, to mobile help, to internet usage, to job applications. I was interviewed by our local newspaper about cybersecurity and computer technology.

May 2016 to Current