

RICHARD HUANG

STUDENT

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Skills

COMPUTERS

Windows
Linux
Robotics
Programming

OFFICE APPLICATIONS

Microsoft Office

OTHER

Journalism
Social Networking

PROGRAMMING

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

Education

UC Berkeley

2018-2022
Computer Science

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

Activities

EVHS Robotics

President

2016 to 2014

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.

HSHacks

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 Jun 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.

EVSD Website

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

Coogle

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

Awards

Einstein Award (1st place) at Synopsys Sciencepalooza

Synopsys

Jan 2015

Awarded the Einstein Award for the best science fair project.

Most Technical Hack

EVHacks

Oct 2015

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

Best Android Game at Teen Hackathon

Rauhmel Fox

Mar 2015

Awarded for creating the best Android game

Engineering Inspiration Award

FIRST

Mar 2018

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.

Best App

EVHacks III

Feb 2018

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

Most Useful Hack

EVHacks III

Feb 2018

Awarded for creating the most useful and innovative utility hack

Volunteering

Momentum

Teacher

Aug 2015 to Current

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.

San Jose Public Library

Tech Mentor

May 2016 to Current

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.