

RICHARD HUANG

STUDENT

✉ richardh@berkeley.edu
🌐 aeolys.github.io
☎ (408) 888-6082
📍 San Jose, CA
f aeolys
🐦 aeolys
in aeolys
🔗 aeolys

» 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 As a Linux sysadmin, I helped deploy a custom Unix operating system onto the computers in the Berkeley labs and maintain them. I found several bugs while testing the distributed operating system and also found and prevented a bug that would have otherwise caused a systemwide storage overload and system crash.	San Francisco Bay Area Oct. 2018 to Current
EVHS Robotics President 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.	Aug. 2016 to May 2018
EVHS Speech and Debate Webmaster, Lead System Administrator and Database Manager 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.	May 2016 to Current
Web Dev Club President 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.	May 2016 to Aug. 2017
Multicultural Culinary Arts Club Vice President Helped organize cooking sessions, cooking competitions, and taught multicultural recipes. Invited professional dietician to educate members on nutrition.	Aug. 2017 to Current
HS HACKS Organizer 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.	Dec. 2016 to Mar. 2017
Aborn Institute Teacher 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.	Aug. 2015 to June 2017

» 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