



ROBERT ENG

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PROJECTS

2016 **Hacktech**
Co-Head Director
Directed 40+ person team, raised 80K from sponsors, organized logistics for Caltech's 500 person hackathon

2015 **\$SMARTwater**
1st Place at HacktheWater
Identified household appliances that can be replaced to conserve water, calculating the resulting benefits.

roberteng.me
Visit for more past projects, design, and experience.

SKILLS

Languages: C, Python, Java, HTML, CSS, Javascript, XML, C++, PHP, Dash, Bash, Perl

Technologies: jQuery, JSON, MySQL, MongoDB, Firebase, Django, Flask, Node.js, Socket.IO, AngularJS, Knockout.js, d3.js, EJS, Bootstrap, FlatUI, Adobe Illustrator, Adobe InDesign

EDUCATION

Class of 2018 GPA 3.5
BS in Computer Science
Caltech
Pasadena, CA
Programming Methods, Algorithms, Computing Systems, Operating Systems, Decidability and Tractability, Discrete Math, Computer Language Shop C, C++ Tracks, Computer Science Research, Relational Databases, Data Visualization

Class of 2014
GPA 4.0, WGPA 4.6
National Merit Finalist
Saratoga High School
Saratoga, CA
AP Computer Science

WORK EXPERIENCE

KPCB Fellow at DoorDash **Summer 2016**
Infrastructure Software Engineering Intern
- Chosen from among 2500 applicants as one of 57 KP Fellows.
- Infrastructure team at DoorDash

Speedy Packets **Summer 2015**
Network Software Engineering Intern
- Explored the fairness/performance of transport layer protocols (TCP, SpeedyTCP, Google QUIC).
- Investigated packet captures of video streams and RTS games to find optimal settings for SpeedyTCP.

Caltech IMSS **Summer 2015**
Information Security Intern
- Protected against external cyber-attacks on Caltech's internal network by developing scripts.
- Performed security audits on new applications.
- Researched the traceability of BitTorrent.

Donut Developer **Summer 2015 – Present**
- Restructuring Caltech Undergraduate "Donut" website for online student services such as course scheduling, election coordination, housing assignments, directory assistance.

CS11 C Track Teaching Assistant **2015**
- Assisted professor in teaching fundamentals of C.
- Helped students with auxiliaries: Makefiles, UNIX, and VirtualBox.

UC Santa Cruz **Summer 2013**
Astronomy Intern
- Developed an interactive Google Maps for deep field galaxy surveys for use by the astronomical community worldwide.
- Authored a research paper on the conception and development of the project for submission.