



ROBERT ENG

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roberteng.me

PROJECTS

2016, 2017

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.
For github, visit username RobertEng

SKILLS

Languages: C, Python, Java, C++, SQL, Assembly, Bash, Dash, OCaml, Perl

Technologies: Neural Networks, CNNs, Keras, Tensorflow, Adobe Illustrator

Webdev: HTML, CSS, Javascript, PHP, MongoDB, Firebase, jQuery, React, Django, Flask, Node.js, d3.js, Socket.IO, AngularJS, Knockout.js, EJS

EDUCATION

Class of 2018 GPA 3.6

Caltech

BS in Computer Science and History *Pasadena, CA*
Machine Learning and Data Mining, Computer Vision, Operating Systems, Embedded Systems, Relational Database Implementation, Data Visualization, Hack Society, Computing Systems, Computer Science Research, etc.

Class of 2014

GPA 4.0, W GPA 4.6

National Merit Finalist

Saratoga High School

Saratoga, CA

AP Computer Science

WORK EXPERIENCE

Facebook

Planned Summer 2017

Software Engineering Intern

KPCB Fellow at DoorDash

Summer 2016

Infrastructure Software Engineering Intern

- Built a Doordash API Client used by Ops and Local teams around the country.
- Created new interface for database access via API
- Chosen from among 2500 applicants as one of 57 KPCB Engineering Fellows.

Speedy Packets

Summer 2015

Network Software Engineering Intern

- Measured fairness/performance of transport layer protocols (TCP, SpeedyTCP, Google QUIC).
- Found optimal settings for SpeedyTCP with packet captures of video streams and RTS games.

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

- Lead Developer restructuring Caltech Undergraduate "Donut" website.
- Services include course scheduling, elections, housing assignments, and directory assistance.

CS11 C Track, CS2 Teaching Assistant

2015 - 2017

- Assisted professors in teaching fundamentals and programming methods in C/C++.

UC Santa Cruz

Summer 2013

Astronomy Intern

- Developed an interactive Google Maps for deep field galaxy surveys for use by the astronomical community worldwide.