



ROBERT ENG

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roberteng.me

PROJECTS

2016, 2017

Hacktech

Co-Head Director

Raised 80K from sponsors, organized logistics, created design for Caltech's 500-person hackathon.

2017

Invisiboard

Top 10 at Greylock Hackfest

Created an optical keyboard via a phone camera.

2015

\$SMARTwater

1st Place at HacktheWater

Identified household appliances with potential 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, x86

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

Webdev: HTML, CSS, Javascript, Firebase, React, Django, Flask, Node.js, d3.js, PHP, MongoDB,

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, WGPA 4.6

National Merit Finalist

Saratoga High School

Saratoga, CA

AP Computer Science

WORK EXPERIENCE

Facebook

Summer 2017

Software Engineering Intern

- Applied ML Distributed AI Infra Team developing checkpointing system in Caffe2 framework.

KPCB Fellow at DoorDash

Summer 2016

Infrastructure Software Engineering Intern

- Built a Doordash programmatic API Client.
- 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 elections, directory, 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.