ROBERT ENG
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EDUCATION

CALTECH CLASS OF 2018   **Pasadena, CA**
Relevant Coursework: BS in Computer Science
Computer Language Shop C, C++ Tracks
Computer Science Research
Decidability and Tractability (Theory of Computation)
Computing Systems

SARATOGA HIGH SCHOOL CLASS OF 2014   **Saratoga, CA**
Relevant Coursework: GPA 4.0, WGPA 4.6
AP Computer Science   National Merit Finalist

EXPERIENCE

Donut Developer   **Summer 2015 - Present**
Restructuring Caltech Undergraduate "Donut" website for online student services such as course scheduling, election coordination, housing assignments, directory assistance. Along with five other developers, we are migrating legacy web applications to a standardized Python-based Flask.

Caltech Information Management Systems & Services Intern   **Summer 2015**
Protected against external cyber attacks on Caltech's internal network by developing scripts to detect suspicious login activity and potential hacking of institute servers.

Speedy Packets Network Software Intern   **Summer 2015**
Tested the fairness and performance of different transport layer protocols such as TCP, Speedy TCP, and Google QUIC under controlled and real world scenarios – varied packet loss %, packet delay, and network load.

CS11 C Track Teaching Assistant   **2015**
Assisted professor in teaching the fundamentals of C, particularly the intricacies of plugging memory leaks. Graded homework and provided useful feedback.

UC Santa Cruz Astronomy Intern   **Summer 2013**
Developed an intuitive and interactive Google Maps web interface for deep field galaxy surveys for use by the astronomical community worldwide. With my mentor, authored a research paper describing the conception and development of the project for submission.

SELECTED PROJECT

PERSONAL WEBSITE   **2015**
Designed and built a virtual resume at roberteng.github.io to showcase past projects and experience.

SKILLS

Languages: Java, C, C++, Python
Webdev: PHP, HTML, Javascript, JQuery, CSS, MySQL, XML, JSON
Technologies: AJAX, node.js, socket.io, Ejs, Google API, Bootstrap, FlatUI, MongoDB, Adobe Illustrator