

ROBERT ENG
<http://roberteng.github.io/>
(408) 515-7885
reng@caltech.edu

EDUCATION:

- 2014-present **CALIFORNIA INSTITUTE OF TECHNOLOGY, CLASS OF 2018** **Pasadena, CA**
Bachelor of Science in Computer Science, emphasis in Astrophysics
- CS11 Computer Language Shop C Track
- CS9 Computer Science Research
- CS2 Programming Methods (planned W '14)
- CS24 Computing Systems (planned Sp '15)
- 2010-2014 **SARATOGA HIGH SCHOOL, CLASS OF 2014** **Saratoga, CA**
- Very High Honors: GPA 4.0, WGPA 4.6, National Merit Finalist
- Favorite subject: History
- 2010-2011 **STANFORD EDUCATION PROGRAM FOR GIFTED YOUTH (EPGY)**
- C11A Introduction to C Programming
- C11B Algorithms and Techniques
- C11C Advanced Topics in C

EXPERIENCE:

- 2011 - present **CS Apps and Projects**
See <http://roberteng.github.io>
- Summer 2014 **Private Tutor**
Created personalized lesson plans for an extremely diverse group of students over all subjects ranging from a year-long Trig/PreCalc course to reviewing remedial arithmetic for Algebra I students.
- Summer 2013 **UC Santa Cruz Astronomy Intern**
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.
- Summer 2012 **Mole/Gopher Trapping Founder**
Started neighborhood service to trap and remove moles and gophers. Recently branched out to rats and mice.
- Summer 2011 **Secret Builders Intern**
Tested functionality of an online educational community website and provided feedback, documented software problems. Moderated multiplayer role playing environment, including talk shows, parties and giveaways.

SKILLS:

Languages: Java, C, Python
Web: PHP, HTML, Javascript, JQuery, CSS, MySQL, XML, JSON
Techniques/Components/Platforms: AJAX, node.js, socket.io, Ejs, Google API, Bootstrap, FlatUI, MongoDB

LEADERSHIP:

- 2010-2014 **Saratoga HS ASB Treasurer, Junior VP, Soph Treasurer, Freshman Class Rep**
Represented fellow classmates at Student Body leadership meetings, participated in organizing class activities and fundraisers, rewrote the ASB Constitution.
- 2010-2014 **Saratoga HS Science Club President**

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Plan and lead meetings and activities, quadrupled membership, created Science Olympiad team and intramural Science Bowl competition. Represented high school in Science Bowl, Programming Competitions (PROCO), Junior Technical Society (JETS) teams.

2012-2014

Saratoga HS Site Council Student Representative

Represented all students on council comprised of administrators, teachers, parents, and students. Created and reviewed progress of student achievement plan as well as school-wide goals.

MISC:

Can recite the periodic table in 45 seconds.

Built paper models of satellites, space telescopes, and space stations.