# Sean W. Keenan

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| CONTACT INFORMATION | MSC 419<br>Pasadena, CA 91126 | *Mobile:* +1-(484)-278-1337<br>*E-mail:* skeenan@caltech.edu |

OBJECTIVE    Build awesome stuff.

EDUCATION

**The California Institute of Technology**, Pasadena, CA, USA
> GPA of 3.5 as of Fall 2012 (In-major: 4.0)
>
> Pursuing B.S. in Electrical Engineering, expected June 2014

LANGUAGES    Assembly, Java, C/C**++**, Python, Javascript, Labview, VHDL, Bash scripting

SKILLS    Embedded Systems, FPGA Design, Android, Web Development

EXPERIENCE

**Google Internship in Google Research**        June to August of 2012

- Made an Android app, Node.js/socket.io server, Kinect interface, and Webapp

**UPenn Research Assistant**        June to August of 2009, 2010

- Labview/scripting to automate measurements and format data
- Work was on electronics for large scale scientific projects: ATLAS(LHC), LSST

**Science Olympiad**        2006 - present

- CA tournament steering committee member (coordinated volunteering, resources, etc)
- Test writer, rule arbitrator, and event supervisor at regional/state competitions
- Ex-captain of student run team, $4^{th}$ place team nationally
- Electric Vehicle ('08) - ($1^{st}$ place nationally), programmed vehicle, PID controlled.
- Electric Balance ('09) - ($1^{st}$ place at states), $\pm 0.15g$, maximum loading $2kg+$. Strain gauges, self-designed electronics, and custom metal beam.
- Other nationally medaling (top 6) events include:
  Accurate ballistic device, coin sorter, angle measuring device,
  Rube-Goldberg device, physics lab, and the physics/history of time.

**Lloyd House** (Caltech dorm)        2010 - present

- Organized construction of 800+ square foot multi-level dance platform
- ITS rep - Caltech-hired student providing technology services in the house
- UCC - Upperclass Counselor, responsible for student health and safety

**Caltech Chapter IEEE Publicity Manager**        2011 - present

**Android Camp at Google**        Summer of 2011

- Week-long crash course in Android development.

INTERESTS    Projects (electrical, mechanical, and programming based)
Longboarding, Physics (Mechanics and E&M), Board Games, Smartphones

WEBSITE    Projects and more information at www.skeenan.com

REFERENCES    References available upon request