

# KEENAN ZUCKER

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## EDUCATION

### FRANKLIN W. OLIN COLLEGE OF ENGINEERING

Needham, MA

*Bachelor of Science in Engineering Candidate May 2018*

Classes include Design Nature, Modeling and Simulation, Introduction to Sensors and Measurement, Software Design\*, Mechanics\*, Products and Markets\*, Linearity with Lab\*  
*\*to be completed by Spring 2015*

### MOUNTAIN VIEW HIGH SCHOOL

Mountain View, CA

- *High School Diploma with Honors, Jun 2014*

GPA (unweighted): 4.0 GPA

### FOOTHILL COLLEGE

Los Altos Hills, CA

- Took classes in Object-Oriented C++ and Biotechnology.

## SKILLS

- Languages: Java, MATLAB, Python, basic HTML + CSS
- SolidWorks, InDesign, LaTeX, Machining (Lathe), Microsoft Office, Git

## EXPERIENCE/PROJECTS

### Olin College BAJA Phoenix Racing

Needham MA

*Chassis Team*

*Aug 2014 – present*

- Help design and build off-road MiniBaja vehicle to compete in SAE competitions. Completely student run. Part of Chassis Team. Work includes designing a front-braced vehicle in SolidWorks and running stress and motion simulation tests.

### HackHolyoke Embedded Systems Hackathon (3<sup>rd</sup> Place)

South Hadley MA

*Hashtag Gloves Team*

*November 2014*

- Participated in Major League Hacking sponsored event. Won 3<sup>rd</sup> place out of around 50 teams. Designed gloves with voice recognition integration that 'tweeted' the recognized words after user makes 'hashtag' motion on gloves. Articles featured on today.com, DailyDot, Gizmodo, KGW news, and more.

### Stay Late And Create (SLAC)

Needham MA

*iCal Creators Team*

*October 2014*

- Participated in and won a SLAC-sponsored hack-a-thon. Team of three designed a web app able of converting an online class schedule to iCal format to email as an attachment for Olin student use.

### Stanford Bioengineering Bootcamp

Palo Alto CA

*Member of Diagnostic Imaging Team*

*Jun 2013 – Aug 2013*

- Conducted research and prototyping of an ambulance with CT scan capabilities. Designed in SolidWorks and 3D printed model of ambulance to present to board of professors along with research paper. Worked in a small team setting with graduate students and professors as mentors.

### Mountain View High School Engineering

Mountain View CA

*Member of GoKart Building Team*

*Mar 2013 – May 2013*

- Built an electric powered go kart in teams of four and competed in speed, torque, and obstacle course challenges. Go kart was all student designed in small team setting, constructed all tubing and electrical components by hand.

## EMPLOYMENT/VOLUNTEERING

### National Honor Society (Volunteer)

Mountain View CA

*Community Service Coordinator*

*Sep 2012 – Jun 2014*

- Organized events to benefit community such as Veteran's Day Lunch, Easter Egg Hunt for local children, and Charity Run.

### Amnesty International

Mountain View CA

*Vice President*

*Sep 2011 – Jun 2014*

- Helped organize and run events to promote the protection of Human Rights worldwide, such as protests for Guantanamo Bay, voting awareness/activism, and more.

### Spartan Sports Camp

Mountain View CA

*Counselor/Coach*

*Jun 2012 – Aug 2014*

- Helped run and coach a soccer camp for teenagers, with profits benefiting Mountain View High School Sports Program.

## AWARDS AND HONORS

- Principal's Distinguished Scholar (Highest school honor)
- Outstanding Achievement in Physics AP C: Mechanics