

# TERENCE CHO

2520 Channing Way MC-589E, Berkeley, CA 94720  
Tel: (626) 475-3172 Email: [terencecho@berkeley.edu](mailto:terencecho@berkeley.edu)

---

## Education

2012-present: **University of California, Berkeley**

*U.C. Berkeley Regents' and Chancellor's Scholar*

B.S. Electrical Engineering & Computer Science

B.S. Mechanical Engineering

Expected Graduation: Fall 2016

Cumulative GPA: 3.2

CS GPA: 3.33

2008-2012: **Covina High School**

*Salutatorian*

Programming: Python, Java, C, MIPS, MATLAB, HTML/CSS/PHP

Software: CAD Software (SolidWorks), LabVIEW, Multisim, Logisim, LaTeX, Unix

Languages: Conversational in Cantonese and German

## Work Experience and Clubs

**Research Programmer** for Berkeley Orthopaedic Biomechanics Laboratory

9/2013-Present

- Part of the Stroke Project under guidance of Professor Keaveny
- Utilize 3D images to extract information related to arteries programming mainly in MATLAB
- Writing code that records and compares patient information into a database
- Optimizing and re-writing code that infers information about arteries not shown in scans

**Mechanical Team Member** of AIAA Robo-Ops

9/2013-Present

- Designing a planetary rover to enter into the RASC-AL Exploration Robo-Ops Competition
- Currently a member of the mechanical team utilizing SolidWorks to improve design aspects
- Designing attachments between the swerve drive and the rest of the unit
- Help out programming team with debugging/coding when possible

**Electrical Team Member** of CalSol (UC Berkeley Solar Vehicle Team)

9/2013-Present

- Part of the Human-Car Interface sub-team, working on the dashboard/main control unit
- Learning and utilizing DipTrace to optimize PCB designs
- Writing project code for LPCXpresso microcontrollers for use in the dashboard, programming in C

**Academic Intern** (Lab Assistant) for CS61A: Structure/Interpretation of Computer Programs

8/2013-Present

- Assist instructors during Lab sections
- Answer computer science related questions that students may have

**Freelance Website Developer**

5/2013-Present

- Design and create websites utilizing HTML, CSS, and PHP
- Finished Website: [JEMplus.org](http://JEMplus.org)

**Project Manager** for Code the Change at UC Berkeley

1/2013-Present

- Created website templates for the non-profit organization *Meerkat*
- Currently directing a team of 5 members to re-design and code a website for the non-profit, *El Concilio*

## Related Coursework

- Introduction to Microelectronic Circuits
- Structure/Interpretation of Computer Programs
- Discrete Math and Probability
- Linear Algebra and Differential Equations

• Data Structures/Machine Structures

Classes to be taken Spring 2014:

- Structure/Interpretation of Systems and Signals
- Efficient Algorithms and Intractable Problems

## Awards and Honors

- Awarded the Disney's Scholars Program Scholarship
- Awarded the Cal Alumni Leadership Scholarship
- Attended Boys' State (Sponsored by the American Legion)

5/2012

5/2012

6/2011