

TERENCE CHO

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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, Ultiboard, LaTeX, Unix, Arduino, Android

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 selected to compete in the RASC-AL Exploration Robo-Ops Competition
- Currently a member of the mechanical team utilizing SolidWorks to improve design aspects
- Designing improvements and assembly of the swerve drive module
- 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

Freelance Website Developer

5/2013-Present

- Design and create websites utilizing HTML, CSS, and PHP
- Finished Website: 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*

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

8/2013-12/2013

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

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 currently enrolled for Spring 2014:
 - Structure/Interpretation of Systems and Signals
 - Efficient Algorithms and Intractable Problems

Awards and Honors

- Awarded the Disney's Scholars Program Scholarship 5/2012
- Awarded the Cal Alumni Leadership Scholarship 5/2012
- Attended Boys' State (Sponsored by the American Legion) 6/2011