Adela Wee

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<http://weeprojects.weebly.com> Needham, MA 02492 San Marino, CA 91108

Education

**Franklin W. Olin College of Engineering—Needham, MA May 2014**

* Candidate, Bachelor of Science in Mechanical Engineering; GPA 3.74/4.0
* Recipient of four-year, half-tuition Olin Scholarship

**University of Southern California—Los Angeles, CA Fall 2011**

* Coursework: Calculus II, Intro to Aerospace Engineering, Ancient Empires, Conversational Chinese

**Skills:** *Software:* MATLAB, SolidWorks, Sibelius, Maple, LabView, Mathematica

 *Machine Shop*: Drill Press, Horizontal and Vertical Band Saws, Belt Sander, Manual Mill, Manual Lathe

 *Lab*: Optical and Scanning Electron microscopes, tension, impact, hardness testing

**San Marino High School—San Marino, CA June 2010**

* FIRST Robotics Dean Kamen’s List Award - 1 of 2 finalists at the Los Angeles FIRST Regional Competition. Award honors outstanding students for leadership, dedication, overall contribution to team, technical expertise, and passion for a long term commitment to FIRST.
* California Scholarship Federation Sealbearer - Maintained GPA > 3.5 for the last 6 semesters.
* John Philip Sousa Award - Highest national recognition of musicianship, dependability, loyalty, and cooperation.
* National Merit Commended Student - Award based on PSAT score; top 34,000 of 50,000 high scorers.
* Promethean - Recognizes approximately top 30 of 300-student class for outstanding academic performance and leadership during high school. Ranked: top 20%.

Experience & Activities

**USC Underwater Robotics, Mechanical Subteam Member—Los Angeles, CA September 2011**

**•** Spearheaded research and design modular floatation system for current submarine that uses no foam

**•** Contributed to design of waterproof battery pod.

**FIRST Robotics Summer Intern—Needham, MA Summer 2011**

**•** Identified, investigated, and developed potential FIRST sponsors in more rural US areas.

**Student Research Assistant, Olin College—Needham, MA Summer 2011**

**•** Assisted in the fabrication of remote-control planes and assembly of autopilot systems.

**•** Initiated human interaction, robotics project involving a Wall-e toy, LABVIEW, and Microsoft Kinect with Professors Andrew Bennett and David Barrett.

**Projects Assistant, Olin College—Needham, MA October 2010-May 2011**

**•** Maintained Olin’s project website and archive and solicited student submissions.

**FIRST Robotics—San Marino, CA and Needham, MA 2007- Present**

• Member, FIRST mentors group at Olin. Regional volunteer. 2010-Present

• President Emeritus and Mechanical Subteam head. In charge of manufacture and design of all mechanisms on robot. As President, developed continuity plans, established traditions, raised $18000, pushed team to compete in two competitions in the same season, finished in the top 30% of 50 teams at both.