Mailing Address: Email: kevinmarkxa@yahoo.com

10044 Meritage Ct. <u>Cell Phone:</u> (818) 415-1190

Sun Valley, CA 91352 <u>Citizenship:</u> USA

Education University of California at Los Angeles, Los Angeles, CA, USA

Expected Graduation: June 2016

Aerospace Engineering – B.S. Student

September 2012 – Present

GPA of 3.837

Experience Undergraduate Researcher at UCLA MATRIX Laboratory

July 2013 – Present

Advisor: Professor Nasr Ghoniem

- Created 3D models of solids using x-ray tomography and Drishti Visualization Software
- Updated and repaired laboratory website
- Created illustrations to be used in an engineering textbook

Summer Intern at NASA's Jet Propulsion Laboratory

June 2014 – *September* 2014

Mentor: Chris McQuin

- Designed a tool capture mechanism for use on the ATHLETE rover
- Analyzed design mathematically to ensure suitability
- Created a prototype of the mechanism for testing
- Used SolidWorks extensively
- Used a machine shop to fabricate and modify aluminum parts

Awards **DuPont Challenge, 2012**

Science Essay Competition

- Senior Division, Honorable Mention

Clubs and

UCLA Rocket Project

Organizations Oca

October 2012 – Present

- Objective: Build and launch a hybrid rocket capable of carrying a 10 lb. payload to 10,000 feet above ground level.
- Designed oxidizer tank filling system
- Organized and led New Member Competition

Eagle Scout, Boy Scouts of America

June 2012

Computer

Skills

- Microsoft Office (Word, Excel, PowerPoint)
- C/C++/C#
- SolidWorks
- HTML/Adobe Dreamweaver
- LaTeX Document Preparation System
- MATLAB