

[Brandon Berg]

Education:

University of California, Los Angeles

Class of 2015

- Department of Physics and Astronomy
- Major in Physics with Experimental Honors
- Minors in Mathematics and Conservation Biology

Chatsworth High School

Class of 2011

- Graduated Valedictorian from the Design and Technology Academy

Experience:

Ozcan Research Lab, University of California, Los Angeles

07/2014 - Present

- Department of Electrical Engineering
- Work to develop a portable cell-phone based ELISA for medical diagnostic use

Low Temperature Research Lab, University of California, Los Angeles 10/2013 - Present

- Department of Physics and Astronomy
- Conduct research to determine the properties of laser bubble luminescence at low temperatures

Frand Research Lab, University of California, Los Angeles

10/2012 - 02/2013

- Department of Biological Chemistry
- Studied the biophysical effects of mutations in the *mlt-10* gene of *C. elegans*

Awards, Honors & Professional Memberships:

Dean's Prize Honoring Outstanding Undergraduate Research, UCLA

05/2014

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- Received for presentation on “Luminescence Characteristics of Laser-Created Bubbles in Pressurized Water at Low Temperatures” given at Undergraduate UCLA Science Poster Day 2014

Student Member, American Physical Society

03/2014 - Present

Professional Skills:

Comfortable working with LaTeX, MATLAB, and Wolfram Mathematica

Basic Knowledge of Python Programming Language

Experienced using Igor Pro for data analysis

One year experience operating a Nd:YAG pulse laser

Practiced with sterile technique