

Inje Lee

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EDUCATION AND CERTIFICATIONS

University of California, Los Angeles 2012 - Present
Bachelor of Sciences Candidate, Bioengineering
Expected Graduation Date - June 2016

RESEARCH EXPERIENCE

Howard Hughes Medical Institute 2015-Present
Student Researcher

- Conducted research under Professor Aydogan Ozcan on a novel, lensfree microscope for greater field of view and ease of use than other similar microscopes

Gerard Wong Laboratory 2015-Present
Student Researcher

- Completed overnight cell cultures and assays to test for the mechanism in which pentobra kills mid-log phase bacterium more effectively than non-conjugated tobramycin

Warren G. Grundfest Laboratory 2014-2015
Student Researcher

- Used MATLAB to program and modify an infrared laser to identify and scan biofilm on chronic wounds
- Utilized GIMP to identify the growth of biofilm and manipulate an SEM photograph for use in poster presentations

David Geffen School of Medicine 2013-2014
Research Assistant

- Wrote a study with Dr. Jonathan Jahr for a prospective trial regarding variables such as hemoglobin levels, red blood cell count, and other parameters to better understand the transfusion trigger

Masimo Corporation 2010 - 2011
Intern for Clinical Research Department

- Supervised by Dr. Michael O'Reilly, Chief Medical Officer of Masimo Corporation, currently Vice President of Medical Technology at Apple and professor at the Stanford University School of Medicine
- Conducted a study to determine the difference in physiological response time between central and peripheral measurement sites using ear and finger oximetry sensor
- Operated pulse oximeters to assess performance in human subjects

AWARDS

- Stanton and Stockwell Architects Scholarship (2012)
- All Southern (Orange County) and All State (California) Honor Orchestras for violin performance
- Music for All Orchestra America National Festival (2010)

EXTRACURRICULARS

UCLA Symphony Orchestra 2012 - Present
First Violinist

- Performed pieces by Shostakovich, Beethoven, Tchaikovsky and others on a quarterly basis

UCLA Engineering Mentorship Program 2015 - Present
Mentor

- Acclimate two mentees to life as an incoming bioengineer, including ways to get study help and problems pertaining to life as an undergraduate in general

UCLA Rugby 2012-Present
Winger

- Played as a winger for one of the top 10 XV's teams in the nation and the previously ranked #1 XII's team in the nation

COURSEWORK

Bioengineering 100: Bioengineering Fundamentals
Bioengineering 167L: Bioengineering Laboratory
Electrical Engineering 100: Electrical and Electronic Circuits
Bioengineering 110: Biotransport and Reaction Processes
Bioengineering 120: Biomedical Transducers
Bioengineering 176: Intro to Biocompatibility
Bioengineering C183: Targeted Drug Delivery and Controlled Drug Release