

Allison M. Yorita

EDUCATION

University of California, Los Angeles, Los Angeles, CA September 2010-present
PhD Candidate, Chemical and Biomolecular Engineering – GPA 3.86/4.00

Brown University, Providence, RI September 2006-May 2010
Sc.B. Chemical and Biochemical Engineering, with Honors – GPA 3.48/4.00

RESEARCH EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA September 2010-present
Graduate Student Researcher under Dr. Harold Monbouquette

- Developing microsensors for electrochemical detection of neurotransmitters
- Creating a solid state sensor for detection of nucleic acids that is quicker and requires smaller volumes of sample than commercially available methods for bacterial infection detection
- Mentored four undergraduate and high school researchers by planning experiments, one-on-one technical training, and providing constructive feedback based on results

Lawrence Livermore National Laboratory, Livermore, CA February 2013-May 2013
Academic Co-Op Program Intern

- Implemented a new electrodeposition system for electrochemical sensors in neural interfaces
- Published as co-author in conference paper for the IEEE Engineering in Medicine and Biology Society

Brown University School of Engineering, Providence, RI February 2009-May 2010
Undergraduate Researcher under Dr. Anubhav Tripathi

- Solved problems with bead and glass surface interactions in a microfluidic lab-on-a-chip interface
- Defended an honors thesis to a three-member committee comprised of engineering professors

WORK EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA September 2011-present
Teaching Assistant: Biochemical Reaction Engineering, Transport Phenomena II: Heat Transfer

- Led weekly discussion sections of over 30 students, reviewed class material, and addressed student inquiries
- Taught lecture as a substitute for the professor
- Counseled students both in a group and in one-on-one meetings on class topics and academic concerns

HepaHope, Inc., Irvine, CA June 2008-August 2008
Research Assistant Intern

- Conducted *in vitro* and *in vivo* experiments to test the efficacy of a bio-artificial liver device
- Designed solutions in collaboration with engineers to reducing hemolysis within the bio-artificial liver system

LEADERSHIP EXPERIENCE

Brown University Third World Center, Providence, RI August 2008-May 2009
Co-Programmer of Asian/Asian American History Month

- Directed a 10 person steering committee by assigning roles and projects, brainstorming event ideas for social and political events with respect to Asian American cultural issues
- Managed a \$10,000 budget allocated by the university and supplemented via networking and fundraising

AWARDS AND HONORS

Awarded traineeship in the UCLA-NIH Biotechnology Training Program January 2012-December 2013

- Trained for leadership positions in industry via classes, seminars, and an industry internship
- Organized a Biotechnology Symposium with fellow trainees by inviting speakers from both UCLA and industry

American Institute of Chemical Engineers Undergraduate Poster Competition November 2009

- **Awarded first place** in the Food, Pharmaceutical and Biotechnology category

OTHER

- Interests: Running, yoga