

SAMUEL CHIANG

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EDUCATION

University of California, Los Angeles

B.S. in Chemistry / Materials Science

GPA: 3.427/4.000

Sept. 2011 – June 2015

Irvington High School, Fremont, CA

August 2007 – June 2011

RESEARCH EXPERIENCE

Yuan Ze University Department of Chemical Engineering and Materials Science

Research Intern (Advisor: Dr. Ho-Shing Wu, PhD)

June 2014 – August 2014

- Collected data for research purposes
- Researched articles and patents to produce review paper on polyhydroxyalkanoates (awaiting publication; see references)
- Presented findings in review paper at an academic conference for Taiwan Tech Trek internship program

UCLA Department of Electrical Engineering

Undergraduate Researcher (PI: Dr. Aydogan Ozcan, PhD)

February 2014 – present

- Current Project: Cell phone microscopy on stretched DNA
- Prepared and imaged samples with other researchers
- Instructed new lab members how to prepare samples
- Assisted with lab projects under postdoctoral scholars (soft lithography)
- Cleaned and sterilized equipment

WORK EXPERIENCE

UCLA Department of Chemistry and Biochemistry | www.chemistry.ucla.edu

Educational Materials Developer and Tester (Adviser: Dr. Laurence Lavelle, PhD)

April 2013 – June 2013

- Worked in a team of six to build and test a forum for introductory chemistry students
- Developed a thermodynamics quiz ideal for testing students

Liveleaf Bioscience, San Carlos, CA | www.liveleaf.com

Intern

June 2012 – August 2012

- Worked in a team of three on a project to analyze impact of social media on receiving feedback for company products
- Helped build Facebook page for the company
- Drafted package inserts for upcoming new products
- Delivered a presentation in front of company executives with other team members

LEADERSHIP EXPERIENCE

UCLA Student Members of the American Chemical Society

Internal Vice President

Sept 2013 – present

- Maintain contact with other UCLA organizations and professors
- Maintain contact with chemical and pharmaceutical companies

- Help organize general meetings and new member recruitment
- Help organize outreach events within UCLA and greater Los Angeles community (average attendance: over 4000 kids)

Overseas Compatriot Affairs Commission, R.O.C. (Taiwan)

Volunteer English Teacher

July 2010 – August 2010

- Taught introductory English to eleven kids (aged 9-12) in Pingtung, Taiwan
- Learned how to manage a classroom and work with peers of different backgrounds

PUBLICATIONS

S. Chiang, S-T. Hung, and H-S. Wu. "Isolation and Recovery of Polyhydroxyalkanoates with Industrial Concerns." (awaiting publication)

HONORS AND AWARDS

Dean's Honors List

Fall 2012, Spring 2014

SKILLS

- *Laboratory:* Soft lithography with DNA, Spectroscopy (IR, NMR, DEPT), TLC, extraction, recrystallization, X-ray diffractometry
- *Molecular Modeling:* SPARTAN, ChemDraw, and ChemSketch
- *Computer:* SigmaPlot, Endnote, Word, Excel, Powerpoint
- *Language:* Mandarin Chinese (written and conversational)