

Liwen (Brenda) Huang

1513 Berkeley St apt 9, Santa Monica, CA90404
E-mail: dodolon813@hotmail.com Phone: +1-213-369-9583

SUMMARY

I majored in chemistry in my undergraduate studies and in chemical engineering in graduate school. My master's thesis focuses on optimizing biosensors for neurotransmitter sensing.

EDUCATION

University of California, Los Angeles, Los Angeles, CA September 2013-present
Master of Engineering in Chemical and Biomolecular Engineering- GPA: 3.56/4.00

National Taiwan Normal University, Taipei, Taiwan Sep. 2008 - Jun. 2012
Bachelor of Science in Chemistry - GPA: 3.56/4.00

RESEARCH EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA September 2013-present
Graduate Student Researcher under Dr. *Harold Monbouquette*

- Developing optimal industrial process for microsensor of neurotransmitters
- Optimizing choline-based biosensor
- Using various methods to exclude chemical interferences
- Collaborating with Neuroscience Department for in vivo studies
- Analyzing data using potentiostat and spectrophotometry

National Taiwan Normal University, Taipei, Taiwan Sep. 2008 - Jun. 2012
Undergraduate Researcher under Dr. *Way-Zen Lee*

- Synthesized novel copper complexes for biology purpose
- Familiar with techniques such as Schlenk technique, and crystallization

WORK EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA September 2014-present
Teaching Assistant: Engineering Disciplines

- Developing "Biosensors for Chemical Detection" project
- Teaching lecture about basic knowledge of Biosensors
- Mentoring a team of students by one-on-one technical training and providing constructive feedback based on the result

LEADERSHIP EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA September 2014-present
Activity Coordinator of Taiwanese Student Association

- Planning, organizing and coordinating club activities

National Taiwan Normal University, Taipei, Taiwan Sep. 2008 - Jun. 2012
Activity Coordinator of Chemistry Dept. Student Association

- Planned club activities, arranged freshman receptions and graduation farewells

AWARDS AND HONORS

Yang-Ping High School, Taipei, Taiwan September 2006
Student of the Year at Yan-Ping High School

- Ranked top 5% in academics and all other aspects every year during high school

SKILLS

Language: Mandarin, Taiwanese; English

Computer Skill: MATLAB, COMSOL, Movie Maker, Excel, Power Point,

Experiment Instrument: potentiostat, spectrophotometry, MASS, HPLC, vacuum system, solvent system