

Hongyue (Connie) Zhan

zhan.hongyue.connie@gmail.com | +1(805) 441-9571 | **STEM OPT Candidate**

EDUCATION

University of California, Irvine

June 2025

Bachelor of Sciences, Biological Sciences

EXPERIENCE

UNDERGRADUATE RESEARCHER, March 2024 to present

Siryaporn Lab, Irvine, CA

- Analyze data on bacterial resistance studies
- Prepare solutions for bacterial studies following SOPs and PPE
- Aliquot chemicals for laboratory use
- Awarded \$300+ from UROP for research contributions

LABORATORY STUDENT, December 2024 to March 2025

Experimental Microbiology Lab Course, Irvine, CA

- Centrifuged samples for electrophoresis experiments
- Led pH and optical density testing in fermentation tests
- Experienced fast-paced lab environment by processing multiple samples with accuracy

LABORATORY STUDENT, September 2024 to December 2024

Molecular Biology Lab Course, Irvine, CA

- Prepared and processed oral specimens for bacterial testing
- Cloned VNTR regions into plasmids and analyzed results for genetic variation
- Maintained detailed lab records and followed laboratory practice in long hours

CHAPTER PRESIDENT, June 2024 to present

Global Medical Brigades, Irvine, CA

- Leading a 110-member team, organizing 10+ healthcare events, and boosting membership by 50% in one quarter
- Respond to member inquiries via email within 24 hours
- Delegate and prioritize tasks among the executive board
- Completed 45+ virtual clinical hours shadowing doctors in Ghana and Honduras

SKILLS AND INTERESTS

Laboratory skills: Specimen preparation, aliquoting, centrifugation, solution prep, PCR, gel electrophoresis, gram staining, and microscopy

Computer skills: MS Outlook, Excel, Word, and Canva

Language: Fluent in English and Mandarin; Conversational in Japanese