

BRIAN D. NGUYEN

🌐 LinkedIn: brian-nguyen ✉ bdnguye2@uci.edu 📍 Irvine, California ☎ (714) 204-6033

EDUCATION

University of California, Irvine <i>Ph.D. in Chemistry with concentration in Chemical and Materials Physics</i>	<i>Sept 2016 - May 2022</i>
University of California, Irvine <i>B.S. Chemistry, cum laude & B.S. Biology, cum laude</i>	<i>Sept 2011 - Mar 2015</i>

WORK EXPERIENCE

Cypress College - Cypress, CA <i>Professor of Chemistry</i> <ul style="list-style-type: none">Teaching Preparatory General Chem 107C, designing lesson plans, and providing office hours	<i>Aug 2022 - present</i>
Morpho Detection, LLC - Santa Ana, CA <i>Chemist Intern</i> <ul style="list-style-type: none">Tested the accuracy of mass spectrometry device for bomb detection and communicated with senior scientists on the development of the devicesCalibrated and tested the bomb detection accuracy of the devices for government certification	<i>Dec 2015 - Jun 2016</i>

MEDICAL VOLUNTEERING EXPERIENCE

UCI Medical Center - Orange, CA <i>EMT On-Site Training</i> <ul style="list-style-type: none">Shadowed a senior EMT on two 12 hours shifts at the emergency departmentPerformed triage of incoming patients, transported patients, and taking vitals during an emergency assessment	<i>July 2018 - July 2018</i>
UCI Medical Center - Orange, CA <i>College Volunteer</i> <ul style="list-style-type: none">Dedicated ~ 200 hours volunteering at the ICU, emergency department, neonatal ICU, and operating roomIn the ICU, contributed to comforting patients' stay in the hospital such as bringing a bouquet of flowers and talking with the patient	<i>Dec 2012 - Jun 2016</i>

RESEARCH EXPERIENCE

Graduate Researcher, Chemistry - University of California, Irvine Advisor: Filipp Furche Theory and Development Project <ul style="list-style-type: none">Derived, developed, and applied AC-SAPT to diagnose and determine computational methods that can accurately predict noncovalent interactions Selected Application-based Project from 3 Different Collaborations <ul style="list-style-type: none">Communicated with experimentalists from the Vanderwal Lab at UCI and modelled the ~400,000 atoms chlorolissoclimide and 80S ribosome complex using quantum mechanics and expanding the lissoclimide family for protein synthesis inhibition; publication <i>in prep</i>	<i>Sept 2016 - present</i>
--	----------------------------

SELECTED MENTORING EXPERIENCE FROM 5 ACTIVITIES

Furche High School Outreach Program - Irvine, CA <i>Program Coordinator</i> <ul style="list-style-type: none">Led the outreach program to provide research opportunities for underserved communities throughout the United States; cultivated a community with 21 high school students and 12 graduate mentorsVolunteered 5000+ hours and co-authored National Science Foundation grant to support the program	<i>Sept 2016 - June 2022</i>
---	------------------------------

SELECTED AWARDS AND HONORS

UCI School of Physical Sciences Faculty Endowed Fellowship	<i>Jun 2021</i>
UCI Dissertation Fellowship	<i>Jun 2021</i>
UCI Chancellor's Fellowship in Chemistry	<i>Apr 2016</i>
UCI Chancellor's Undergraduate Award of Distinction	<i>Jun 2015</i>
Phi Beta Kappa	<i>May 2015</i>
Phi Lambda Upsilon	<i>May 2015</i>
Hypercube Scholar Award	<i>Jun 2014</i>
OC American Chemical Society Undergraduate Award	<i>Apr 2014</i>