CECILIA CHANG

740 Weyburn Terrace, Apt. 121, Los Angeles, CA 90024
(310) 344-4380   cgc67@ucla.edu

Relevant Courses

Mathematical Methods of Physical Chemistry

- Quantum mechanics and statistical thermodynamics theory behind different simulation methods
- Implementation in Mathematica

Introduction to Computational Chemistry & Principles of Molecular Simulation

- Co-taught chemistry & engineering course covering density functional theory, molecular dynamics, and quantum mechanics/molecular mechanics simulations

Education

BA, Chemistry Magna Cum Laude   *Cornell University, NY   2021*

GPA 3.3/4.00
Ananth Group
- Metal-organic framework molecular analog computational studies using DFT

Completed organic, physical, and analytical laboratory courses
- Analyzed and fit data using Excel, Stata, and IgorPro
- Electronic structure calculations using Gaussian 09

Chemistry & Biochemistry   UCLA

Alexandrova Group
- Molecular qubit computational analysis

Volunteer Experience

Palos Verdes Stables

Pony Camp Counselor   Summer 2018, Summer 2017, Summer 2015
- Supervised children around horses, enforcing safety procedures and proper animal care routines
- Gave one-on-one horseback riding lessons
- Organized trail riding lunches and activities

Ride to Fly

Volunteer and Leader   2016-2017
- Assisted disabled children learning to horseback ride
- Led lesson horses in a safe and controlled manner
- Trained new volunteers in spotting and emergency dismount procedures