

Sonya Rivera

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EDUCATION

UC Berkeley, College of Chemistry **Expected Graduation:** May 2021
Degree: Bachelor of Science in Chemistry, Minor in Material Science **GPA:** 3.56/4.0
Relevant Coursework: Quantum Mechanics, Applied Data Science, Advanced Python

Berkeley Hills College 2016-2018
Degree: Associates Degree in Chemistry **GPA:** 3.96/4.0

SKILLS

- Lab: NMR, IR, UV-Vis, & HPLC
- Computer: Proficient in MATLAB, Python, & Microsoft Office
- Languages: Fluent in Spanish & German

WORK EXPERIENCE

Berkeley Lab *June 2018—August 2018*
Research Analyst *Berkeley, CA*

- Synthesized supramolecular metalloporphyrin catalysts assembled at materials interfaces for electrochemical nitrogen fixation
- Studied bio-inspired molecular catalysts for electrochemical CO₂ reduction
- Presented findings to research lab group of 20

Chemical Technologies *May 2017—August 2017*
Process Chemistry Intern *Newark, NJ*

- Proposed and developed new synthetic route to a biologically active molecule
- Assisted Senior Scientists with optimization studies on a biocatalytic reaction

Children's Hospital *May 2016—August 2016*
Pediatric Research Center Intern *Philadelphia, PA*

- Applied stereological techniques to study the effects of exercise and drugs on the brainstems of cerebral palsy mice in order to assess the validity of a mouse model
- Assisted graduate students with daily care of lab animals

LEADERSHIP

Peer Tutoring Center *August 2018—May 2019*
Lead Tutor *Berkeley, CA*

- Tutored students in undergraduate quantum mechanics, organic chemistry, and inorganic chemistry
- Improved exam performance of multiple students by at least one letter grade
- Trained new peer tutors on best practices

Covalent Club – Student Organization *March 2018—May 2018*
Vice President

- Modeled a ventilation system inside a Martian spacesuit glove by supporting a graduate group's research proposal
- Led on-campus meetings and facilitated communications between members and other campus organizations

AWARDS

- UC Berkeley Scholarship – January 2018
- College of Chemistry Summer Research Fellowship May 2017
- Bay Area Outstanding Young Women in Chemistry Award May 2017

INTERESTS

Intramural soccer, Chemistry World podcasts, & mentoring STEM high school students