

Robin Sheen

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University of California, Berkeley | Berkeley, CA
Nutritional Sciences – Physiology and Metabolism | College of Natural Resources

Graduated May 2020

RELEVANT COURSEWORK

- | | | |
|------------------------------|--|---|
| • Molecular and Cell Biology | • Microbiology | • Environmental Biology (Lab) |
| • Organic Chemistry (Lab) | • Experimental Nutrition (Lab) | • Statistics and Probability |
| • General Chemistry (Lab) | • Mammalian and Human Physiology (Lab) | • Physics: Mechanics and Electromagnetism (Lab) |

PROFESSIONAL EXPERIENCE

UC San Francisco Parnassus Diabetes Center | San Francisco, CA

Researcher

Oct 2018 – May 2020

- Helped maintain mice colonies and organize breeders for desired genotypes to prevent overcrowding and improve project efficiency.
- Studied promoters and repressors of genes affecting fission and fusion in mitochondrial matrix.
- Performed qPCR, PCR, and western blots.

UC Berkeley Chemistry Department | Berkeley, CA

Chemistry Lab Undergraduate Student Instructor

June 2018 – Aug 2019

- Taught lab techniques and experiments including titration, biosynthesis, and ecotoxicity assays in order to prepare students for basic laboratory skills and analysis.
- Assisted with creating exams and lab procedures and led discussion sections for general chemistry coursework to optimize student learning.

Jadoo Technologies Inc. | Berkeley, CA

Researcher

Feb 2017 – June 2017

- Worked under Dr. Khalid to create nanotechnology biosensors that can comprehensively analyze blood components efficiently and easily in a clinical setting.
- Designed channels with the engineering team to determine preliminary layout for the sensor to better incorporate electrical sensing in future models.
- Collaborated with the biology team to compile compatible tests that can be grouped into each channel as well as developing procedural plans to test accuracies of various groupings.

UC Berkeley Student Learning Center | Berkeley, CA

General Chemistry Study Group Facilitator

Feb 2017 – May 2018

- Held study groups to help students prepare for exams and homework questions.
- Tutored during drop in hours to answer questions for their chemistry course.
- Assisted with designing worksheets to supplement lectures during study groups.

UC Berkeley Student Learning Center | Berkeley, CA

Summer Bridge Preparatory Chemistry Discussion Leader

June 2017 – Aug 2017

- Assisted incoming freshmen learn general chemistry through the Summer Bridge Chemistry Preparatory class.
- Tutored during drop in hours to answer questions for their chemistry course.
- Lead labs once a week to teach students lab techniques and help develop data analysis skills.

UC Berkeley Library Conservation Treatment Division | Berkeley, CA

Conservator Assistant

Sept 2016 – June 2017

- Restored books and documents with brittle pages, broken bindings, torn pages, missing pages, or misprinted pages to maintain their structural integrity with precision and quality.
- Learned proper restoration techniques in the workshop such as hinge tightening, tipping in pages, and Japanese tissue repair which required high levels of attention and accuracy as well as communication with the ordering department to preserve requested aspects of their media.

LEADERSHIP AND EXTRACURRICULARS

Zuckerberg San Francisco General | San Francisco, CA

Radiology Department Volunteer

Aug 2018 – Mar 2020

- Shadowed nurses, doctors, and technologists in Radiology and Emergency.
- Restocked supplies and organized files at the ICU desk.
- Answered basic questions and provided general support for patients or the patient's family.

Medical Case Studies at UC Berkeley | Berkeley, CA

Course Facilitator

Sept 2017 – May 2019

- Designed case studies for 30 students to research different diseases, pathogens, and tests that can be run in a hospital or laboratory setting.
- Recruited healthcare and research professionals to discuss their experiences and offer advice to undergraduate students.

Oakland Asian Students Educational Services | Berkeley, CA

Club Coordinator

Sept 2017 – Fall 2018

- Mentored K-5 elementary school students at Oakland elementary schools in classrooms and during after school activities consisting of science experiments, teamwork building activities, and sports.
- Coordinated educational carnivals for Oakland elementary schools, Alumni Networks for current mentors at UC Berkeley, and held training sessions to teach mentors how to interact with children.