

SRIJA S. GADIRAJU

Additional Experiences

Research Experience:

Interdisciplinary Science Learning and Novel Discovery (ISLaNDs) Research — Chemistry

August 2019 - May 2020

- Researched the effects of industrial sites on the number of pollutants found in the American River
- Wrote a report on analyzing the amounts of pollutants present in various locations along the American River and compared the results to locations of nearby industrial sights and potential effects of runoff in these areas
- Determined how to properly analyze data and quantitatively conclude the results of the study

ISLaNDs Research — Biology

August 2019 - May 2020

- Determined the effects of the pollutants on *Corbicula fluminea* and the native clams
- Wrote a report detailing how the feeding rates of *C. fluminea* lead to it being the more successful species, taking away resources from the native clam
- Gained knowledge on different methods, like DNA barcoding, Western blotting, and PCR

Organic Research Capstone Activity (ORCA)

August 2020 - May 2021

- Used laboratory techniques and knowledge to design a study on esterification of perfume samples to determine their scent longevities
- Gained research experience and am competent using IR Spectrophotometers, distillation apparatuses, and various reagents

Scholarly II Research

January 2022 - May 2022

- Worked towards finding novel antibiotics through microorganisms
- Collected soil samples from the field using sterile equipment
- Ran various experiments, like soil characterization, serial dilutions, pick-and-patch colonies, and gel electrophoresis/PCR

Community Service:

Sacramento Street Medicine

April 2021 - December 2022

- Helped hand out resources (food, water, medical supplies, etc.) to members of the unhoused populations of Sacramento
- Work with the logistics subcommittee to locate the nearest imaging, testing, and healthcare centers to these communities

California Northstate University Covid-19 Vaccine Clinic

February 2021 - May 2021

- Helped check temperature and paperwork for patients receiving vaccine
- Interacted with patients and talked them through the process of booking the booster shot

Service Learning Practicum**January 2021 - May 2021**

- Created a project to help CNU students reintegrate back into campus life post-quarantine
- Wanted to re-establish a sense of normalcy around face-to-face interactions and lectures

Leadership Experience:**President of Volleyball Club****March 2020 - December 2022**

- Plan meetings, set up courts, and teach fellow peers basic volleyball skills to enable them to participate in scrimmages or tournaments
- Meet with other club officers to budget club funds and advertise upcoming events

President of The Social Club**May 2021 - December 2022**

- Plan events to get students back together post-pandemic to re-establish a sense of normalcy
- Hosted talks with incoming students to answer their questions on campus life and expectations

Big/Little Program**May 2021 - December 2022**

- Continuing our Service Learning project to work with this organization on campus
- Help ensure that all questions are answered for incoming students, regardless of if they choose to be part of the program or not
- Help with outreach and events

Tutoring/Teaching:**English PAL (TA)****August 2020 - August 2021**

- Worked in the Media and Communications Studio to help fellow students with writing assignments, brainstorming ideas, and reorganizing drafts
- Gave weekly workshops on syntax, grammar rules, and organization

Stanford Global Health Team**August 2021**

- Worked for the global health department at Stanford to create case studies on various healthcare technologies currently available
- Formatted them based on regions these products are available and detailed their efficacies and targeted patients