

Karla Romero

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OBJECTIVE: Fourth year chemistry student seeking an entry level position as a fermentation technician.

EDUCATION

University of California, Davis

Davis, CA

Bachelor of Science in Chemistry

Expected Graduation: June 2025

Minor in Environmental Toxicology

Cumulative GPA: 3.42/4.00

Relevant Coursework: Organic Chemistry + Lab, Physical Chemistry, Environmental Toxicology, Environmental Science and Policy, Chemistry and Material Science

SKILLS

Laboratory Skills: Thermogravimetric Analysis, Solid-State Synthesis, Centrifuging, Sterilization, Spectrometer Analysis, Cell Culture Growth and Analysis, IR Spectroscopy

Technical Skills: Python, R Studio, MATLAB, ANOVA Analysis, ChemDraw, MestReNova

RELEVANT EXPERIENCE

Undergraduate Researcher

April 2020 - Present

Department of Viticulture and Enology at UC Davis

Davis, CA

- Conduct daily laboratory experiments by centrifuging 8 vials of protein molecules to prep chemistry for downstream processing and analysis
- Collaborate with a team of 5 researchers to assess daily safety protocols and review sterilization procedures and maintain a safe laboratory environment
- Compile and organize data from 300+ academic journal articles in MATLAB to analyze safety trends
- Present weekly results to 10+ professors, creating a connected network and developing communication skills

Toxicology Intern

October 2018 - January 2020

Merck Testing Inc.

Sacramento, CA

- Wrote weekly toxicology risk evaluation reports summarizing findings of current research from 14 laboratory technicians
- Designed and evaluated laboratory SOPs to assess potential biological hazards in compost materials
- Collected organic matter samples to interpret data to evaluate feasibility and desire of future experiments, resolving the research hypothesis in the process

ACTIVITIES

External Vice President - ACS Chemistry Club, UC Davis

September 2021 - Present

Volunteer - Academic Tutoring , UC Davis

May 2020 - June 2021