Karla Romero

Davis, CA | kmromero@ucdavis.edu | (510) 565-8345
linkedin.com/karlaromero

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