

Jared Croyle

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EDUCATION

BS in Molecular Environmental Biology - Data Science minor, May 2025

University of California, Berkeley

Relevant Coursework:

- General Genetics: Comprehensive study of gene regulation, manipulation, and genetic variation.
 - Practical Genomics: Hands-on training in computational biology and bioinformatics techniques.
 - Statistical Methods for Data Science: Introduction on practical applications using R for statistics.
 - Concepts in Computing with Data: Applied statistics using R and SQL for data analysis.
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RESEARCH EXPERIENCE

UC Berkeley Department of Environmental Science, Policy, & Management, Feb 2024 - Present

EvoLab - Berkeley, CA

Research Assistant

- Conducted research on adaptive radiation and other forms of evolution in Hawaiian spiders.
- Utilized methods in DNA extractions, Sonication, Sequencing, and Library prep for whole genome sequences.
- Analyzed sequence data and created figures using python and R.

UCR Department of Microbiology and Plant Pathology, June 2023 - August 2023

Stajich Lab - Riverside, CA

NSF-REU Participant

- Participated in research with microfungi and analyzed amplicon sequence data to characterize fungal species within biological soil crusts found in extreme environments.
 - Utilized wet-lab processes such as culturing media, running PCR, and phenotyping samples.
 - Employed computational skills and methods to extract data using a BASH based operating system. Figures were made using phylogenetic tools, python, and R.
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EMPLOYMENT HISTORY

West Riverside Veterinary Hospital, Riverside, CA, June 2021 - May 2023

Veterinary Technician

- Assisted veterinarian during immunologic, medical, surgical and diagnostic procedures.
- Took scans and x-rays of animals using proper restraint and methods.
- Administered anesthetics and managed emergencies related to disease, seizures, and conflict.

The Living Desert Zoo and Gardens, Palm Desert, CA, September 2016 - March 2020

Zookeeper's Assistant Volunteer

- Gained animal husbandry and breeding experience for desert animals from around the world.
- Leadership roles with other volunteers and participated in public outreach regarding conservation.

The Aquarium of the Pacific, Long Beach, CA, May 2018 - August 2019

Student Eco-Ambassador Intern

- Conducted field research with researchers and aquarists in Central and South America involving water quality and wildlife surveys.