Alice Mathew

alicerose1114@gmail.com

Highly motivated Wildlife Biologist; good at being a team leader, collaborating with others, and learning from experience.

EXPERIENCE

Annelid Habitat Volunteer, U.S Fish and Wildlife Service

OCT 2022

30 hours/week, compensated $270

I assisted with the Annelid Habitat Assessment U.S F&W conducted on the Klamath River this past October. I assisted with diving to collect data, as well as taking data points outside the water.

- Experience diving in Klamath River to collect data assessing habitat qualities of riverbed
- Experience using GPS equipment to collect other data outside water

Biological Monitor, Alluvion Consulting

JULY 2022 - NOV 2024

10 hours/week, $27/hour

I currently work as a biological monitor for a consulting firm that is contracted by CalTrans to monitor construction on bridges and roads along California. My duties include briefing construction workers on how to alleviate human impact, avoid take of endangered species, and identify these species. I must also supervise the construction and document what I see in daily reports.

- Regular travel and overnight stay within California
- Ability to educate laypeople on policy like Endangered Species Act and

Funk Lab Field Technician, UC Davis

JUNE 2022 - AUG 2022

30 hours/week, $15/hour

I worked as a field technician for a PhD student in Dr. Funk's Plant Sciences lab. I assist with plant sampling on 5 coastal dune sites, including assessing plant cover and taking functional trait measurements, collecting specimens, and taking environmental data. Additionally, I assisted in conducting metaanalysis of literature related to the research we did.

Supervisor: Benjamin Rivera (503)810-1080

benrivera@ucdavis.edu

PUBLICATIONS

"How You Dune-ing? A Systematic Review of Coastal Dune Plant Community Assembly"

Co-authored with Benjamin J Rivera

SKILLS

Intermediate Plant ID

Bird Sound and Skin ID

Mammal Tracking and Scat ID

Experience with Field Technology (Bushnell Cams, bat recording devices)

Bird Banding and Measuring

Osteo Specimen Preparation

LANGUAGES

R (programming language)

BORIS (animal behavior program)

Spanish

Field Leader, UC Davis Museum of Fish and Wildlife

APRIL 2021 - OCT 2021; APRIL 2022- PRESENT

10 hours/week, $15/hour

Most of my field season was spent as one of the three field coordinators (under the Museum's Biologist's supervision) collecting data from nestboxes in three sites along Putah Creek in Davis or Winters. Our main species were Western Bluebirds and Tree Swallows, but we also had House Wrens and Ash-throated Flycatchers. I was in charge of maintaining records of weekly checks and banding in my sites when the nestlings were old enough. Once the birds' nesting season ended, I assisted with mammal and bat sampling along Putah Creek. Eight sites were set up with mammal cameras, bait, and a bat recording device connected to a microphone extended over the creek.

My second field season as a leader, I led intern teams of three to my four sites. On top of maintaining my own safety and accurate data collection, I was responsible for three others. I had to teach them while ensuring they were protected in the field sites from poison oak, ground squirrel holes, etc.

{I also did the nestbox program in 2019, as an unpaid intern}

Osteological Intern, UC Davis Museum of Fish and Wildlife

JULY 2021 - MARCH 2022

8 hours/week, $15/hour

I worked as an osteo specimen preparator in the UC Davis Museum of Wildlife and Fish Biology. I worked to prepare mammal and avian specimens for osteo curation, which includes the ability to skin birds carefully without damaging bones, collecting tissue samples, maintaining the correct curation format, identifying gonads, cleaning large mammal bones (chimpanzee and gorilla). My catalog currently has 17 specimens, most of which are birds.

Daniel Karp Lab Intern, UC Davis

NOV 2019 - MAY 2020

8 hours/week, $15/hour

I identified white blood cells in avian blood samples to determine the effects of agriculture on avian immunology. We had to determined the heterophil: lymphocyte ratio in birds sampled in strawberry fields as an indicator of their stress levels. Later, categorization of insects from DNA metabarcoded avian fecal samples to see if the birds' predation on the insects was acting as biological pest control or not.

Mikel Delgado Lab Intern, UC Davis Vet School

NOV 2019 - MAY 2020

8 hours/week, $15/hour

I coded cat behavior for foster kittens using the animal behavior program BORIS, using an ethogram. I coded videos for households with either one or two cats. The results of my coding where used to assess the foster cat's behavior and

interactions with each other/the environment based on changes made to their feeding. This data was used to help foster cats best assimilate to their new homes.

Wildlife Rehabilitation Hospital, Wildlife Center of Silicon Valley — *Volunteer*

JULY 2018 - AUG 2019

8 hours/ week, unpaid

I handled various animals for feeding, weighing, and medication administration, including squirrels, opossums, small birds, and raptors like barn owls and red-tailed hawks. Since becoming rabies vaccinated in July 2018, I mostly worked with raptors and rabies vectors like raccoons and skunks, syringe-feeding them and administering medication..

EDUCATION

University of California, Davis, Davis, CA

SEPT 2018 - JUNE 2022

GPA: 3.75

Bachelor's of Science in Wildlife, Fish, and Conservation Biology

Minor in Psychology

- President and Founder of Aggie Hurricane Skating Club (community for skateboarders and roller skaters)
    - Raised $400 in fundraising
    - Organized an drive to re-distribute donated skate equipment
    - Assisted with planning of a large skate event
    - Elected new board for the next year and trained them to maintain the club next year

AWARDS

Lloyd W. Swift Award

APRIL 2021

I was lucky enough to receive the Lloyd W. Swift Award with the Department of Wildlife, Fish, and Biology to fund my field work on Putah Creek the spring and summer of 2021.

Memberships

Aggie Hurricane Skating Club, UC Davis

The Wildlife Society, UC Davis

Birdwatching Club, UC Davis