



EDUCATION

University of California, Davis, CA

Bachelors of Science Wildlife, Fish, and Conservation Biology

EXPERIENCE

Recurse Center

Jan. 2022 - Present

Programming Participant

- Participated in a selective, self-directed, community-driven educational retreat for software engineers
- Dry Clothes Bot, an automated application using weather and messaging API's to notify users of incoming rain and weather properties. Built with **python**, the user can keep their clothes hanging outside from getting wet
- Calculator, a web application with a fully functional calculator. Built with JavaScript, HTML, CSS
- Visual Guitar Tuner, fully functional to help users tune any instrument. Built with JavaScript, HTML, CSS
- Hosted onboarding sessions for new recurse members and led group programming exercises

Tree Frog Treks, San Francisco CA

Apr. 2022 - Oct. 2022

Logistics Coordinator

- Oversaw a comprehensive environmental education program catering to 1000+ San Francisco youth
- Managed logistics, vendor relations, and financial allocations for supplies and operations while collaborating closely with a team of 30 naturalists
- Cultivated strategic alliances with local law enforcement, negotiating permits to enhance operational efficiency and ensure the youth's safety
- Cultivated and maintained key relationships with stakeholders, vendors, and businesses, resulting in a notable 20% reduction in essential infrastructure costs

Feather River Resource Conservation District, Quincy CA

Mar. 2021 - Nov. 2021

Forestry Technician

- Supervised teams of 25 people to plant 200,000 native sampling trees to restore 900 acres of burned forest
- Bilingual proficiency in Spanish bridging communication between contractors and project managers
- Conducted comprehensive pre-construction surveys, assessing federally endangered invertebrates, amphibians, mammals, birds, and plants, ensuring the projects' compliance with conservation regulations
- Pioneered the use of drone technology, gathering data on Plumas National Forest's damage following the catastrophic 2021 Dixie Fire, aiding informed decision-making for future restoration strategies

Center for Watershed Sciences, Davis CA

Apr. 2018 - Oct. 2018

Laboratory Assistant

- Oversaw the **visualization**, **analysis**, and **modeling** of aquatic data using softwares **R** and **Excel** aiding research on how hydrologic variability affects water quality and food webs
- Conducted tests, prepared nutrient samples, and deployed aquatic sensors for comprehensive biogeochemistry data
- Prepared autonomous aquatic sensors for deployment and retrieval to collect biogeochemistry data
- Carried out extensive trawling, seining, trapping, gillnetting, and electrofishing surveys
- Authored comprehensive technical reports, effectively describing data collection and modeling methodologies
- SCUBA Diver Certified, Wilderness Advanced First Aid Certified, Adult/Child CPR & AED Certified

Wood Duck Project, Davis CA

Mar. 2017 - June. 2017

Field Assistant

- Embedded passive integrated transponders (PIT) tags into ducklings to observe movement and monitor duck populations
- Maintained the radio-transponder system that monitors duck activity by replacing batteries, monitoring solar panel units
- Collected tissue and blood samples to have DNA sequenced for genetic and survivability analysis
- Used GPS system units to log and map the distribution of wood ducks nesting activities