

## PROGRAMMING EXPERIENCE & PROJECTS

### Mission Bit, San Francisco CA

January 2024 - Present

*Lead Web Development Instructor*

- Led dynamic in-person web development instruction to under-resourced high school students in San Francisco, fostering digital literacy and empowerment while adeptly tailoring curriculum in real-time to meet evolving needs
- Mentored students in crafting projects aimed at positive community impact, fostering creativity and problem-solving skills

### Recurse Center, New York NY

January 2022 - Present

*Participant*

- Participated in a selective, self-directed, community-driven educational retreat for software engineers
- Hosted onboarding sessions and facilitated group programming exercises, fixed bugs in the Recurse presentation web app
- [Dryclo](#) Developed Dry Clothes Bot, an automated application using weather and messaging APIs to notify users of impending rain and weather conditions. Built with Python, this tool allows users to prevent their outdoor clothes from getting wet

### Center for Watershed Sciences, Davis CA

April 2018 - October 2018

*Research Assistant*

- Visualized, analyzed, and modeled extensive aquatic data using the R programming language to support research on the impact of hydrologic variability on water quality and aquatic ecosystems
- Authored technical reports detailing data collection and modeling methodologies for project managers

## PROFESSIONAL EXPERIENCE

### Feather River Resource Conservation District, Quincy CA

March 2021 - November 2021

*Forestry Technician*

- Supervised a team of 25 contractors to plant 200,000 native sapling trees restoring 900 acres of a burned forest
- Conducted comprehensive surveys, assessing federally endangered invertebrates, amphibians, mammals, birds, and plants
- Utilized drone technology to gather data on the damage to Plumas National Forest following the catastrophic 2021 Dixie Fire, facilitating informed decision-making for future restoration strategies

### California Institute of Environmental Studies, Ventura CA

February 2020 - February 2021

*Restoration Biological Science Technician*

- Accomplished the surveying and elimination of over 12,000 acres of invasive plant species in the Channel Islands National Park
- Proficiently employed advanced technology, including GPS units and ArcGIS Collector, for precise data collection and mapping

## SABBATICAL

### Taipei Economic and Cultural Office Ministry of Education, Taiwan

November 2022 - September 2023

- Awarded the Huayu Enrichment Scholarship for advanced-level Mandarin studies at National Taiwan Normal University
- Enrolled in courses covering interpretation, translation, and academic oral proficiency, focusing on presentation and analysis

## EDUCATION

### University of California, Davis CA

*Bachelors of Science Wildlife, Fish, and Conservation Biology*

## SKILLS & INTERESTS

**Programming Languages:** Proficient in Python, JavaScript, and R. Familiar with Node.js, React, HTML, CSS, JSON, XML

**Software Tools:** Skilled in Git, Github, VSCode, ArcPro, ArcGIS Online

**Interests:** Passionate about learning languages (I speak Mandarin Chinese, Spanish, and Tagalog), playing mandolin, and running