Liam Xavier
Galleher

✉ Lxgalleher@gmail.com
🏠 CA

PROFESSIONAL EXPERIENCE

University of California, Los Angeles | Los Angeles, CA
Graduate Student: January 2025 - Present
- Advanced training in GIS, remote sensing, and spatial data science.
- Conduct geospatial analysis for the Tahoe Regional Planning Agency, developing maps, spatial databases, and analytical workflows to inform environmental management and transportation equity.
- Conducts advanced spatial analyses using ArcGIS Pro, Python, and R for projects in wildfire risk modeling & disaster recovery.

Plumas County Fire Safe Council | Quincy, CA
Assistant Program Director/County Coordinator: January 2022 - May 2025
- Designed and managed a program providing wildfire mitigation and forest health consultations to private landowners.
- Secured and managed $7 million in grant funds.
- Operated ESRI programs to analyze project suitability, assess wildfire hazard, and provide technical assistance to private landowners.
- Modeled hazardous fuels reduction projects in FVS (USDA).
- Led the Feather River Stewardship Coalition, a multi-organizational initiative dedicated to improving the ecosystem and community health of private and public lands in the Feather River Watershed.
- Aided in prescribed fire planning and implementation.
- Served as the organization's representative, delivering presentations on program impacts at major wildfire conferences across California.

Dodd Lab | Berkeley, CA
Research Assistant: August 2020 - January 2022
- Led crews on weekend-long trips to collect *Sequoia sempervirens* foliage, ranging from Monterey to Southern Oregon.
- Devised sampling schemes in ArcPro based on seed zones, fog belts, land ownership, and recorded genetic diversity.
- Conducted site evaluations, such as measurements, assessing stand health, and inferring optimal trees for DNA extraction.
- Extracted and assessed high molecular weight DNA from *Sequoia sempervirens* foliage using the CTAB protocol.
- Represented the lab by responding to public inquiries.

Ruhi Lab | Berkeley, CA
Lab Assistant: January 2021 - September 2021
- Collected and identified macro-invertebrates for stream experiments.
- Evaluated stream health based on identified organisms.
- Listed as a contributor for field and lab efforts in Ecology: Volume 104 issue 2 (Ecological Society of America).

WILDCOAST | San Diego, CA
Marine Protected Area Intern: January 2020 - August 2020
- Oversaw volunteers collecting data to infer tidepool wellbeing.
- Shadowed grant writers focused on environmental conservation.

The United States House of Representatives | Washington D.C.
Legislative Intern: June 2019 - August 2019
- Interpreted research to assist staffers in curating legislation.
- Facilitated constituent tours of Capitol Hill.

EDUCATION

UC Los Angeles - *Class of 2026*
Master of Applied Geospatial Information Systems and Technologies
UC Berkeley - *Class of 2022*
B.S. Ecosystem Management & Forestry

SKILLS

- Fire Fighter Type 2
- Plant Identification
- GIS/ESRI Suite
- Grant Writing
- FVS (USDA)
- Forestry Fieldwork
- HTML/CSS/JavaScript
- Python/R/SQL

RELEVANT UC COURSES

- Applied Geospatial Data Science
- Programming - Geospatial Data Science
- Geospatial Imagery Analysis
- Tree Taxonomy: Plant Identification
- Applied Geospatial Statistics
- Sierra Nevada Ecology
- Forest Measurements
- Forest Management & Assessment
- Silviculture & Utilization
- Applied Forest Ecology
- Forest Operations Management
- Geographic Information Systems
- Landscape Ecology
- Field Methods for Physical Geography
- Resource Management & Economics

WILDFIRE COURSES

- USDA: Community Wildfire Mitigation Best Practices
- NFPA: Reducing Wildfire Risk to Property
- ICS-100
- IS-700B
- L-180
- S-130
- S-190

INTERESTS/THE ARTS

- Folk performer: has played multiple music festivals on the west coast
- Guitar, harmonica, mandolin, vocals
- Composer/arranger