

Bailie Wynbelt

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EDUCATION

University of Arizona, College of Social and Behavioral Science

Tucson, Arizona

Bachelor of Science in Information Science, Emphasis: Data Science

May 2024

- **Minor:** Natural Resources
- **GPA:** 3.94
- **Honors/Awards:** 3rd place in Undergraduate poster presentation at Society for Range Management Conference 2022 / Wildcat Excellence Award / International Baccalaureate Award (Fall 2022)

PROFESSIONAL EXPERIENCE

School of Natural Resources and the Environment

Tucson, Arizona

Data Science Research Assistant

January 2023-Current

- *Overall goal:* Determine diet selectivity in southwestern rodents and the efficiency of various metabarcoding primers to detect desert plant species.
- *Time Commitment:* Up to 15 hours a week.
- Use of "R" to manipulate, analyze, and visualize large datasets.
- Version control management using GitHub.

School of Natural Resources and the Environment – Ruyle Lab

Tucson, Arizona

Data Science Intern

August 2022-December 2022

- *Overall goal:* Manage and analyze long-term data sets regarding various vegetation and ecological changes on the Santa Rita Experimental Range in Southern Arizona.
- *Time Commitment:* Up to 25 hours a week.
- Usage of "R" to manage and analyze vegetation changes related to cattle grazing and overall annual growth of vegetation.
- Collection of vegetation data on the Santa Rita Experimental Range.

School of Natural Resources and the Environment – Lien Lab

Tucson, Arizona

Student Worker

November 2021-May 2022

- *Overall goal:* To understand rancher's perspectives on adaptive management and analyze their experiences with the Forest Service, specifically within Arizona and New Mexico.
- *Time Commitment:* Up to 10 hours a week.
- Processing, management, and organization of received surveys within Excel.

LEADERSHIP EXPERIENCE

Tierra Seca – Student Chapter of The Society for Range Management

Tucson, Arizona

Treasurer

May 2022-Current

- Financially managed and fundraised \$10,000 to send 17 students to Boise, ID for the 2023 Annual Society for Range Management Conference.

Data Carpentry Workshop - The University of Arizona

Tucson, Arizona

Helper

March 2023

- Assisted in delivering high-quality, domain-specific training covering introductory computational skills needed for data management and analysis in all domains of research.

SKILLS, ACTIVITIES & INTERESTS

Activities: Presenter and Participant at 2022 Society for Range Management Conference / Participant in Undergraduate Range Management Exam (URME) / Participant in University of Arizona's Data Visualization Contest / Active Attendee of University of Arizona's R + Data Science Labs

Languages: R + Python: Querying, Wrangling, Manipulation, Analysis, Visualization

Skills: Microsoft Office / Tableau / Data Collection & Processing / Time Management / Adaptability / Effective Collaboration & Communication

Interests: Project Management / Hiking / Crochet / Poetry + Creative Writing / Museums