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 adaptative 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.

**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