

Bailie Wynbelt

(616)-881-9270 | Wynbeltb@gmail.com | [LinkedIn](#) | [Website](#) | [GitHub](#)

EDUCATION

University of Arizona, College of Social and Behavioral Science

Tucson, Arizona

Bachelor of Science in Information Science, Emphasis: Data Science

Expected May 2024

- **Minor:** Natural Resources
- **GPA:** 3.95
- **Honors/Awards:** RISE Internship Scholarship / Best Presentation at Women in Data Science Presentation Blitz / Honorable Mention in the 2023 UA Data Visualization Contest / Wildcat Excellence Award / International Baccalaureate Award (Fall 2023)

PROFESSIONAL EXPERIENCE

National Phenology Network

Tucson, Arizona

Data Science Intern (20 hours/week)

October 2023-Current

- Currently assisting in the troubleshooting and modernization of an API responsible for extracting data from the National Ecological Observatory Network (NEON) and converting it into a format that integrates with the National Phenology Network (NPN) database.

Virga Labs

Tucson, Arizona

Data Science Intern (20 hours/week)

May 2023-September 2023

- *Primary objective:* Assisted in the development of a website focused on the collection of funding sources regarding Colorado River Basin restoration projects.
- Integrated stakeholder feedback to an interactive tool with Shiny under golem framework, with a focus on front-end development, resulting in the collection of vital information of over 30 variables pertaining to 200+ projects.
- Assisted in the development of a data migration plan to adapt the back end of the tool to a MySQL database to be in alignment with industry standards.

School of Natural Resources and the Environment

Tucson, Arizona

Data Science Research Assistant (15 hours/week)

January 2023-May 2023

- *Primary objective:* Investigated diet selectivity patterns in southwestern rodents and assessed the effectiveness of different metabarcoding primers in identifying desert plant species.
- Proficiently employed R programming language to manipulate, analyze, and visualize multiple datasets leading to a better understanding of how primer selection can impact statistical analyses of diet selectivity in rodents.
- Demonstrated proficiency in version control management through the utilization of GitHub.

Arizona Youth Partnership

Tucson, Arizona

Intern (10 hours/week)

May 2023-August 2023

- *Primary objective:* Developed and implemented a pilot survey to assess youth needs and evaluate program effectiveness across Arizona.
- Distributed a pilot survey to 64 partnering organizations, resulting in two responses, leading to a better understanding of programs funded by Sexual Risk Avoidance grant and youth needs in Arizona.

LEADERSHIP EXPERIENCE

Tierra Seca – Student Chapter of The Society for Range Management

Tucson, Arizona

Treasurer

May 2022-May 2023

- Financially managed and fundraised \$10,000 for the 2023 Annual Society for Range Management Conference resulting in 17 students traveling to Boise, ID to represent University of Arizona.

SKILLS

Languages: R (tidyverse, ggplot2, DBI, golem, R Markdown) / Python (pandas, numpy, matplotlib) / HTML / CSS / Javascript

Skills: AWS / SQL (Postgres, MariaDB) / GitHub / Tableau / Figma / Jira / Microsoft Office / Qualtrics / Front-end development / Database planning and management