bailey.jannuzzi@gmail.com | Website: https://bailey-jj.github.io/ | GitHub: https://github.com/Bailey-JJ

Bailey Jannuzzi

Undergraduate Bioinformatics Student
Utah Valley University

Education

Utah Valley University — Orem, UT
Bachelor of Science in Bioinformatics — Expected Graduation: Spring 2026
Current GPA: 3.81

Utah Valley University — Orem, UT
Associate in Science in Biology, High Honors — Graduated: Spring 2025

Research Experience

Utah Valley University — Orem, UT
Hjelmen Lab | Independent Student Researcher — Spring 2024 - Present
Research Advisor: Carl E. Hjelmen, PhD

Investigating the diet of forensically relevant blow flies (Diptera: Calliphoridae) to determine their effectiveness as wildlife monitors.

- Constructing reproducible bioinformatic pipelines to identify environmental DNA from blow fly gut content samples.

Utah Valley University — Orem, UT
Hjelmen Lab | Peer Research Collaborator — Spring 2025 - Present
Research Advisor: Carl E. Hjelmen, PhD

Assisting with gathering data on blow fly (Diptera: Calliphoridae) diversity and distribution in Utah.

- Conducting field collections.
- Preparing collected specimens through pinning and labeling to be identified.

Presentations

*****Presenting Authors

Poster Presentations

Entomological Society of America, Pacific Branch Meeting 2025
Oxford Nanopore Technology Sequencing and Identification of Fly Gut Content, ***Bailey Jannuzzi**, Andrew Meeds, Lauren M. Weidner, and Carl E. Hjelmen

Awards and Honors

Awards

Scholarly Activities Committee Grant 2025
Amount Awarded: $1198.00

Undergraduate Research, Scholarly, and Creative Activity Grant 2025
Amount Awarded: $1428.00

Honors

Dean's List — Utah Valley University Spring 2023 - Present

Experience

Utah Valley University Orem, UT
Genetics Teaching Assistant Spring 2025

- Supporting students in applying class concepts to solve practical problems.

Membership

UVU Evolution and Bioinformatics Club | President Spring 2025 - Present

UVU Evolution and Bioinformatics Club | Secretary Spring 2024 - Spring 2025

Relevant Courses

Computational

- Fundamentals of Programming
- Object Oriented Programming
- Database Fundamentals
- Calculus I
- Principles of Statistics
- Data Analysis for Biologists
- Introduction to Systems Administration-Linux/UNIX
- Intro to Data Analytics
- Bioinformatics Data Skills
- Discrete Mathematical Structures I
- Introduction to Algorithms and Data Structures

Biology

- Introduction to Biotechnology
- Principles of Chemistry I & II
- College Biology I & II
- Intro to Bioinformatics
- Molecular Biology
- Genetics
- Principles of Evolution

Skills

Computational Skills

- SQL
- Statistics and Data Analysis in R and Python
- BASH Scripting/Linux

Laboratory Skills

- Pipetting
- DNA Extraction
- PCR
- Gel Electrophoresis
- DNA Purification

Other

- Microsoft Office Suite (Word, Excel, PowerPoint, Outlook)