Bailey Jannuzzi
Undergraduate Bioinformatics Student

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Education

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

Research Experience

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.

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

Skills

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)