Olivia Frary BIOINFORMATICS STUDENT UTAH VALLEY UNIVERSITY, OREM, UT

Education Bachelor of Science in Bioinformatics Utah Valley University

Expected to Graduate Spring 2025

GPA: 4.0

Research Experience	 Independent Researcher Hjelmen Lab, Utah Valley University Advisor: Carl E. Hjelmen, PhD Investigating: The relationship between heteromorphic sex chromosome size and organism longevity Data mining genome size and lifespan data for several species Working to produce a pipeline for large-scale phylogenies in R Performing statistical and phylogenetic analyses in R 	Fall 2023 – Present
Presentations *Presenting Authors	Poster Presentations	
	Ancient Genomics: An Overview on the History and the Future of the Field, *O. Frary , *R. Motte, *J. Prescott - Fall Biology Department Research Poster Session, Utah Valley University	
	 2024 Do the differences in size between heteromorphic sex chorganism longevity? *O. Frary, C. Hjelmen Utah Conference on Undergraduate Research, 	
Awards & Honors	Scholarships Presidential Merit Scholarship Utah New Century Scholarship	2022-2026 2022-2026
	Awards Utah Valley University Study Abroad Grant Ohio Rural Letter Carriers Book Grant	2023 2023
	Honors Dean's List, Utah Valley University Science Sterling Scholar, Provo High School Top First Year Chemistry Student, American Chemical Society	2020 - 2023 2021 2019

Experience	 Biology Study Abroad Aeolian Islands, Italy Immersed in culturally rich environment to learn about the biology and geology of the Aeolian Islands Learned how locals and endemic plants and animals coexist with active volcances 	Summer 2023	
	 Researched and presented on population genetics of the islands 		
	General Biology Teaching Assistant Utah Valley University, Orem, UT Bioinformatics Data Skills - Worked with students to answer questions and provide support	Spring 2023	
	 Reviewed and graded college-level work and provided constructive feedback 		
	 Gave insights into ways to improve class material 		
	Stability Intern doTERRA Quality Control, Pleasant Grove, UT - Worked with and maintained lab equipment	Jan 2022 – Dec 2022	
	 Regulated various reports through Microsoft Office Suite and Information Management Software 		
	 Managed numerous studies and samples Increased department efficiency by implementing automated formulas into regular use documents 		
Membership	Women in the Physical Sciences	Fall 2022 – Present	
p	Women in Science Affinity Group	Spring 2023 – Present	
	LGBTQ+ in Science Affinity Group	Spring 2023 - Present	
	Agnostics and Atheists in Science Affinity Group	Spring 2023 - Present	
	Evolution and Bioinformatics Club	Fall 2023 - Present	
Relevant Courses	 Object Oriented Programming Database Fundamentals Calculus I & II Principles of Statistics Data Analysi 	Molecular Biology Genetics	
Skills	 R for statistics and data analysis Python basics Microsoft Office Suite Python basics Pytho	c methods aintaining lab	