Curriculum Vitae

Vertically Integrated Research course.

Hailey Jay Garcia February 2, 2025 $\frac{504 haileyjay@gmail.com}{github.com/hailey-jay}$ Website

Lousiana State University Bachelor of Science in Mathematics HONORS & AWARDS	2022–Present Expected May 2025		
		Dean's List.	2022-2024
		Pasqualle Porcelli Junior Scholarship.	2023
For exceptional undergraduate junior performance.			
Peg and Tom Madden Mathematics Research Scholarship.	2024		
"To encourage and support research in mathematics."			
Teaching			
Arden Cahill Academy TA, Honors Calculus (instructor, grader, writing assessments).	2023–2024		
Submitted for Publication			
Non-Orientable 4 Genus of Torus Knots.	2024		
Preprint: arXiv:2045.04737			
Presentations and Projects			
Introductory Matroid Theory.	2024		
Directed Reading Project.			
"This Is A Trace."	2024		
Directed Reading Project and Presentation.			
On The Representation Theory of the Symmetric Group.	2023		
Directed Reading Project and Presentation.			
Noncontractive Function Systems.	2023		
At 6th TX-LA Mathematics Conference.	2022		
On The "Kelly Sequence."	2023		
At 6th TX-LA Mathematics Conference.	ഫെ		
Identifying Martian Surface Features with a Convolutional Neural Network.	2023		