

Travis McVoy

CONTACT INFORMATION	mcvoy@usc.edu https://www.tmcvoy.com	
RESEARCH INTERESTS	Machine and Deep Learning Theory, Statistical Inference, Optimization	
EDUCATION	Skidmore College, Saratoga Springs, New York B.A. Mathematics and Computer Science (3.92 / 4) CS Thesis, Advised by Tom O’Connell Math Portfolio, Advised by Lucy Oremland	
DISTINCTIONS AND AWARDS	Summa Cum Laude	2025
	Taylor Prize in Mathematics	2025
	University of Southern California Viterbi Fellowship	2025
	Carnegie Mellon University Summer Scholars Fellowship	2024
	Scored 9 points on Putnam	2024
	Dean’s Honors List	2021 — 2024
UNDERGRADUATE RESEARCH EXPERIENCE	<i>The Bridge Between Theory and Applications: An Examination of Bias in Nonlinear Classification</i> Skidmore College, 2024 — 2025 <i>Uncertainty Quantification of Diffusion Coefficient Estimation</i> Carnegie Mellon University, 2024 <i>Cryptographic Image Security</i> Skidmore College, 2023 <i>One Credit Research Courses</i> Skidmore College, 2022 — 2025 CS 275H, Fall 2024 CS 275H, Fall 2023 MA 275H, Spring 2023 CH 171, Spring 2022	
TALKS	<i>Uncertainty Quantification of Diffusion Coefficient Estimation</i> Joint Math Meetings (January 2025) <i>Cryptographic Image Security</i> Skidmore Academic Festival (May 2023) <i>Infinitely Coupled Pendula and Lagrangian Dynamics</i> Hudson River Undergraduate Math Conference (April 2023)	
SERVICE	President of Skidmore’s Pi Mu Epsilon Chapter Vice President of Skidmore’s Pi Mu Epsilon Chapter Grader for Prof. Hoffman’s MA 200 (Linear Algebra)	2024 — 2025 2023 — 2024 Spring 2022

MEMBERSHIPS	Phi Beta Kappa (Academic Honors Society)	
	Pi Mu Epsilon (National Honors Mathematics Society)	
	American Mathematics Society	
UNDERGRADUATE COURSEWORK	MA 376 Linear Optimization (A)	Spring 2025
	MA 371 Measure Theory (A)	Spring 2025
	MA 331 Dynamical Systems (A-)	Fall 2023
	MA 324 Complex Analysis (A)	Spring 2024
	MA 319 Abstract Algebra I (A+)	Spring 2023
	MA 316 Numerical Algorithms (A-)	Fall 2022
	MA 305 Probability (A)	Fall 2024
	MA 303 Analysis (A+)	Fall 2022
	MA 302 Graph Theory (A)	Fall 2023
	MA 215 Proofs (A+)	Fall 2021
	MA 200 Linear Algebra (A+)	Spring 2022
	MA 213 Calculus IV (A)	Fall 2022
	MA 211 Calculus III (TR)	Pre-Skidmore
	MA 113 Calculus II (TR)	Pre-Skidmore
	MA 111 Calculus I (TR)	Pre-Skidmore
	MS 204 Statistical Methods (S)	Spring 2023
	IL 305 Robotics (A)	Fall 2023
	CS 376 Deep Learning (A)	Spring 2024
	CS 318 Computer Organization (B)	Spring 2025
	CS 316 Machine Learning (A)	Fall 2023
	CS 306 Computability and Complexity (A)	Spring 2024
	CS 305 Algorithms (A+)	Fall 2023
	CS 230 Programming Languages (S)	Fall 2024
	CS 226 Software Design (A-)	Spring 2023
	CS 209 Data Structures (A)	Summer 2023
	CS 106 Intro to CS (A+)	Fall 2021
	PY 345 Mechanics (A)	Fall 2022
	PY 208 Intro to Physics II (A)	Spring 2022
	PY 207 Intro to Physics I (A)	Fall 2021