

CONTACT INFORMATION	Department of Mathematics University of Miami 1365 Memorial Drive Coral Gables, FL 33124	Website: <a href="https://sabiansaliasi.github.io">sabiansaliasi.github.io</a> Email: <a href="mailto:sabiansaliasi@gmail.com">sabiansaliasi@gmail.com</a> Phone: 239-560-6618
RESEARCH INTERESTS	Low-dimensional topology Gauge theory and Floer homology Geometric topology	
EDUCATION	<b>University of Miami</b> , Coral Gables, FL B.S. in Mathematics (expected); Computer Science Additional Major (expected) GPA: 3.77 Pure Math GPA: 3.94	May 2026
AWARDS & HONORS	Departmental Honors in Mathematics Issac Bashevish Singer Full Tuition Scholarship University of Miami Foote Fellow Honors Program Florida Academic Scholars President's Honor Roll	(expected May 2026) 2022 2022 2022 2025
PUBLICATIONS, PREPRINTS & ONGOING RESEARCH	<b>Classifying Alternating Double Branched Covers Bounding Rational Balls</b> with Jonathan Simone <b>X–Plumbings, H–Plumbings, and Rational Homology 4–Balls</b> with Jonathan Simone and Wynn Smith	Ongoing In preparation
RESEARCH EXPERIENCE	<b>Carnegie Mellon University, SUAMI REU</b> , Pittsburgh, PA Undergraduate Researcher (low-dimensional topology)	Summer 2025
SELECTED TALKS	X–Plumbings, H–Plumbings and Rational Homology 4–Balls, UM Topology Seminar Dehn Surgery on Familiar Spaces, University of Miami Math Union Fundamental Group of Surfaces	2025 2025 2025
INVITED CONFERENCES & SEMINARS	Joint Mathematics Meetings University of Miami Topology Seminar University of Miami Mathematics Union	2026 2025 2023-2025
TECHNICAL SKILLS	Python; R; Java; SQL; L <sup>A</sup> T <sub>E</sub> X; Git	
ADDITIONAL EXPERIENCES	<b>University of Miami, Mathematics Union</b> Co-Founder & Co-President <b>Karate Club, University of Miami</b> President; Assistant Instructor; Black Belt <b>AI Academy</b> , Albany, NY Software Engineering Intern <b>Trillium Trading</b> , Miami, FL Quantitative Researcher	Sep 2023 – Present Sep 2023 – Present Summer 2023 Spring 2023