

CONTACT INFORMATION	The College of William and Mary, Department of Physics 300 Ukrop Way Box 842014 Williamsburg, VA 23185 sjbevins@wm.edu	
EDUCATION	<p>PhD in Physics Aug. 2024 - Present - College of William and Mary, Williamsburg, VA</p> <p>B.S. in Mathematics, B.S. in Physics (Dual Degree) Concentration in Mathematics Dec. 2023 - Virginia Commonwealth University, Richmond, VA - Graduated Magna Cum Laude in Mathematics and Physics</p> <p>A.S. of Science in Science May 2021 - Virginia Peninsula Community College, Hampton, VA - Graduated Magna Cum Laude</p>	
RESEARCH EXPERIENCE	<p>Graduate Research Fellow, The College of William and Mary May. 2025 – Present - Lattice QCD during Summer 2025, Quantum Information Science 2026 and beyond.</p> <p>VCU Graph Theory Computational Discovery Lab, VCU May. 2025 - Investigations on the balance number of a graph.</p> <p>Graduate Research Assistant, Virginia Commonwealth University Jan. 2024 – May 2024 - VCU Geometry Group</p> <p>Undergrad Research Assistant, Virginia Commonwealth University Jun. 2022 – Dec. 2023 - VCU Geometry Group</p> <p>Science Undergraduate Laboratory Internship (SULI), U.S. Department of Energy Aug. 2022 – Dec. 2022 - Host laboratory: Thomas Jefferson National Accelerator Facility</p> <p>VCU Graph Theory Computational Discovery Lab, Virginia Commonwealth University May 2022 - Topics Explored: Graphs, Knots, and Independence</p> <p>Science Undergraduate Laboratory Internship (SULI), U.S. Department of Energy Jan. 2022 – May 2022 - Host laboratory: Thomas Jefferson National Accelerator Facility</p> <p>Community College Internship (CCI), U.S. Department of Energy Jan. 2021 – May 2021 - Funded by: U.S. Department of Energy - Host laboratory: Thomas Jefferson National Accelerator Facility - Mentor: David Richards, PhD</p>	
TEACHING EXPERIENCE	<p>Graduate Teaching Assistant, College of William and Mary F24, S25, F25 - Laboratory instructor for physics courses. - Teaching Assistant for University Physics and Honors University Physics</p> <p>Mathematics Teacher, Huntington Learning Center Feb. 2024 - Present - K-12 Mathematics teacher, SAT and ACT Prep Tutor</p> <p>Graduate Teaching Assistant, Virginia Commonwealth University S24</p>	

- GTA for Precalculus

Undergraduate Teaching Assistant, Virginia Commonwealth University F21, Sp23, F23
- Classroom Assistant: Precalculus

Peer Tutor, Virginia Peninsula Community College F20
- Online tutor for Precalculus 1 (College Algebra) and Precalculus 2 (Trigonometry)

PUBLICATIONS

1. M. Aldi, **S. Bevins**, Chatzitheodoridis, S Da Silva, Q. Frias, T. M. Gomez. (2026) THE DE RHAM COHOMOLOGY RING OF NILMANIFOLDS ASSOCIATED WITH PATH GRAPHS *In Preparation*
2. M. Aldi, **S. Bevins**. (2023) 2-step Nilpotent L_∞ -algebras and Hypergraphs *Journal of Pure and Applied Algebra*, no. 107593. Available [here](#)

PRESENTATIONS

1. M. Aldi, **S. Bevins**. L_∞ -cohomology of Completely Prunable Hypergraphs.
 - Joint Mathematics Meetings, PME Contributed Session on Research by Undergraduates. (Jan. 2024)
 - Virginia Academy of Sciences Annual Meeting. (May 2024)
2. M. Aldi, **S. Bevins**. L_∞ -cohomology of Completely Prunable Hypergraphs. Poster Presentation at the Mid-Atlantic Algebra, Geometry, and Combinatorics (MAAGC) Workshop. (Dec. 2023)
3. M. Aldi, **S. Bevins**. L_∞ -algebras and Hypergraphs. Presented at
 - Joint Mathematics Meetings, AMS Contributed Paper Session on Commutative Rings and Algebras, and Algebraic Geometry. (Jan. 2023)
 - Central States Math Undergraduate Research Conference. (Feb. 2023)
 - ODU Mathematics Awareness Conference. (Apr. 2023)
 - International Mathematics and Statistics Student Research Symposium (Apr. 2023)
 - MD-DC-VA MAA Spring 2023 Meeting (Apr. 2023)
 - 101st Annual Meeting of the Virginia Academy of Sciences (May. 2023)
4. **S. Bevins**. Results on the L_∞ -Cohomology of Completely Prunable Hypergraphs. VCU Discrete MathemaTea Invited Talk. (Sep. 2023)
5. M. Aldi, **S. Bevins**. L_∞ -algebras and Hypergraphs. VCU Poster Symposium for Undergraduate Reserach and Creativity. (Apr. 2023)
6. **S. Bevins**. Introduction to Hypergraphs and L_∞ -Algebras. VCU Student Geometry Seminar. (Feb 2023)
7. **S. Bevins**, D. Richards. Fast Pions on the Lattice. SULI Poster Presentation at Thomas Jefferson National Accelerator Facility. (Dec. 2022)
8. **S. Bevins**. Lie Algebras and Graphs. Presented at
 - VCU Math Grad Coffee Hour Invited Discussion. (Dec 2022)
 - VCU Student Geometry Seminar (Sep. 2022)
9. **S. Bevins**. Lie Algebra Cohomology. VCU Student Geometry Seminar. (Nov. 2022)
10. **S. Bevins**, D. Richards. High Momentum Pions on the Lattice. SULI Poster Presentation at Thomas Jefferson National Accelerator Facility. (Apr. 2022)
11. **S. Bevins**, D. Richards. Pions at High Momentum. CCI Poster Presentation at Thomas Jefferson National Accelerator Facility. (Apr. 2021)

UPPER LEVEL COURSEWORK (VCU) - MATH 502 (Abstract Algebra I), MATH 602 (Abstract Algebra II)
 - MATH 592 (Teaching and Communicating Mathematics)
 - MATH 507 (Bridge to Modern Analysis), MATH 707 (Functional Analysis)
 - MATH 511 (Applied Linear Algebra), MATH 610 (Advanced Linear Algebra)
 - MATH 556 (Graph Theory)
 - MATH 690 (Research Seminar)

UPPER LEVEL COURSEWORK (W&M) - PHYS 601 (Classical Mechanics)
 - PHYS 603 (Mathematical Physics)
 - PHYS 621 (Quantum Mechanics I), PHYS 622 (Quantum Mechanics II)
 - PHYS 610 (Classical Electrodynamics I)
 - PHYS 630 (Statistical Mechanics and Thermodynamics)

OEIS CONTRIBUTIONS - A360937, A361014, A360936, A360625, A360572, A360571, A363378, A361230, A362007, A364579, A364946, and A368135.

TECHNICAL SKILLS Programming: MATLAB, Python, SageMath, Mathematica, PennyLane (minimal)
 Markup: \LaTeX , Word, Excel, Markdown
 Operating Systems: Windows, MacOS, Raspberry Pi OS, Linux