

Education

- **Class of 2025 at the University of Virginia**, Mathematics and Computer Science double major
- Completed the undergraduate requirements for mathematics major during high school.
- Completed the UVA mathematics PhD curriculum as a first year student.
- **Graduate level courses**: Random Walks on Groups, Functional Analysis, Measure Theory, Complex Analysis, Differential Topology, Algebraic Topology I & II, Algebraic Geometry, Algebra I & II

Mathematics Experience

- 2023 **UChicago REU**, Full participant, Studying s -Perimeter and Nonlocal Potential Theory
- 2022 **UVA Research**, I took an intensive one-on-one reading and research course in operator algebras with Dr. Benjamin Hayes. Living expenses were covered by DMS-2000105.

Selected Talks

- 10/23 **α -stable Levy Processes and Fractional Laplacians**, *Random Walks on Groups* lecture
- 07/23 **Asymptotics of the Fractional s -Perimeter**, *University of Chicago REU*
- 04/23 **Maximal rigidity for L^2 -cohomology of Groups and Beyond**, *UVA Operator Algebras seminar*
- 11/22 **Index Rigidity for type- II_1 Subfactors**, *UVA Operator Algebras seminar*

Selected Travel

- 01/24 **Joint Math Meetings**, *San Francisco*, speaker, supported by AMS undergraduate travel grant
- 10/23 **East Coast Operator Algebras Symposium**, *Purdue University*, attendee, supported by NSF grant DMS-2321632
- 10/23 **Virginia Operator Theory and Complex Analysis Meeting (VOTCAM)**, *Richmond University*, attendee
- 05/23 **Noncommutative Geometry and Operator Algebras (NCGOA) Spring Institute**, *Vanderbilt University*, attendee
- 01/23 **Joint Math Meetings**, *Boston*, attendee, supported by NSF grant DMS-2035183
- 10/22 **East Coast Operator Algebras Symposium**, *Michigan State University*, attendee, supported by NSF grant DMS-2035183
- 06/22 **Thematic Program in p -adic L-functions and Eigenvarieties - Undergraduate Workshop**, *University of Notre Dame*, participant, supported by NSF grant DMS-1904501

Financial Experience

- **Member of UVA's Alternative Investment Fund** An investment club managing a portfolio of \$60,000 AUM with both systematic and discretionary trading strategies. Rigorous selection process with multiple interviews and a 3% acceptance rate.

Programming Experience

Proficient In Java, C, C++, Assembly, Python, Javascript, \LaTeX , SageMath, Mathematica. I have also taken courses in financial engineering, algorithmic economics, computer architectures, and machine learning.