

# ANTHONY DOLL

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## EDUCATION

### College of Arts and Sciences || University of Virginia || GPA: 3.88

May 2026

B.A. in Mathematics (Graduate preparatory track)

Distinguished Majors Program

Graduate Coursework: Algebra 1 & 2, Algebraic Topology 1, Lie Algebras, Homotopy Theory, Homological Algebra

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## ACADEMIC EXPERIENCE

### Research Experience for Undergraduates, Charlottesville, VA

June 2024 – August 2024

Participant

- Collaborated with 3 undergraduates and 2 postdoctoral fellows on “Nonorientable surfaces and their curve complexes”
- Completed an intensive two-week module of lectures in algebraic and geometric topology (fundamental groups, category theory, and knot theory)
- Met every day for 5-6 hours for 8 weeks devising strategies to solve problem related to curve complexes of nonorientable surfaces
- Presented findings to fellow REU participants and math faculty at UVA

### Directed Reading Program, Charlottesville, VA

January 2023 – May 2023

Participant

- Paired with post-doctorate fellow in mathematics to work on semester-long mathematics project
- Discussed Dehn functions and Cayley graphs in hour long weekly meetings throughout semester
- Showcased learned material in presentation to demonstrate mathematical maturity

## PROFESSIONAL EXPERIENCE

### Teach for America, Charlottesville, VA

August 2025– Present

Ignite Fellow

- Instructed 3 students virtually in a program for underserved students below grade level in math
- Created lesson plans 4 days a week exploring topics from 3rd to 6th grade math
- Met with Ignite Site Leader and Ignite Partner quarterly and went over lesson plans and students' performances to improve teaching strategies

### University of Virginia, Charlottesville, VA

August 2024 – May 2025

Grader

- Oversaw all grading of homework for MATH 4040 (Discrete Mathematics) and MATH 4652 (Introduction to Abstract Algebra)

### University of Virginia, Charlottesville, VA

January 2023 – May 2023

Teacher's Assistant for Applied Physics 2

- Oversaw grading of a class of 120 students in a pilot course
- Tutored students privately outside of class to cover material not understood in class

## LEADERSHIP

### Peer Financial Counseling

January 2024 – Present

Counselor

- Offered financial advice to fellow students and served as a resource for financial advice ranging from budgeting and student loans, to investing and managing money
- Held drop-in hours for 2 hours a week
- Gave presentations about the basics of financial literacy and its importance to fellow UVA students

### University Salsa Club

August 2023 – Present

Social Chair/Treasurer

- Maintained the finances of a club of 150+ members through grant applications and fundraisers
- Organized and planned ~9 events per semester for 150+ club members