

Hannah Mobley

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EXPERIENCE

Rhodes College Communications Department, Memphis, TN — *Writer*

August 2022 - May 2025

Wrote for Rhodes News under the communications department. Responsibilities involved research, interviewing, writing, peer reviewing, copy editing, and participation in editorial meetings. Nominated for Rhodes Student Associate of the Year.

Rhodes College Mathematics Department, Memphis, TN — *Summer Fellow*

June 2023 - August 2023

Conducted full-time, compensated independent research in computational invariant theory with the mentorship of a professor. Resulted in publication described below.

EDUCATION

Rhodes College, Memphis, TN — BS in *Mathematics*, *Minor in Russian Studies*

July 2021 - May 2025

Graduated summa cum laude, Phi Beta Kappa, with Honors in Mathematics. Received the college's highest academic honor, the Rhodes Prize, at commencement.

University of Kentucky, Lexington, KY — *Mathematics Graduate Program*

August 2025 - Present

Graduate student focusing on pure mathematics. Admitted under the PhD Program as a Teaching Assistant, will obtain Masters along the way.

PROJECTS

Γ -orbifold Euler characteristics, Rhodes College

Research conducted during summer fellowship within algebraic topology and symplectic geometry. Published* January 2025 in the Journal of Singularities.

<https://www.journalofsing.org/volume28/article1.html>

Two partizan games on integer partitions, Rhodes College

Research in combinatorial game theory funded by the Robert Allen Scott Award in Mathematics. Summer work was continued as a two-semester Honors Project.

HONORS

Phi Beta Kappa* (2025)

Peyton Nalle Rhodes Phi Beta Kappa Prize* (2025) Highest academic honor awarded by Rhodes College to one graduating senior annually.

Steckler Fellowship (2025)

Merit fellowship awarded by the University of Kentucky.

Jack U. Russell Award for Outstanding Sophomore (2023) and Senior (2025) Award in Mathematics*

Rhodes College award given to two sophomores and one senior annually.

Robert Allen Scott Award in Mathematics* (2024)

Rhodes College research grant given to one junior annually.

Dobro Slovo* (National Slavic Honor Society) (2025)

Excellence in Introductory (2024) and Advanced (2025) Russian Award*

Rhodes College award given to two students annually.

SKILLS

LaTeX
Mathematica
MATLAB
Microsoft Office
Advanced Russian
Mathematics tutoring
Classroom teaching
Scientific writing

*appears under maiden name "Meit"

PRESENTATIONS

2023 TN Academy of Sciences Meeting, Memphis, TN – *Oral**

2024 Joint Mathematics Meeting, San Francisco, CA – *Poster**

2024 NE Conference for Undergraduate Women in Math, Lincoln, NE – *Poster**

2025 NE Conference for Undergraduate Women in Math, Lincoln, NE – *Oral**

VOLUNTEERING

2024-2025 Math Chair
Rhodes College chapter of
Women in STEM

Dog Walker
Humane Society of Memphis
and Shelby County