CONNER GRIFFIN

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Curriculum Vitae

EDUCATION

The University of Memphis Doctorate of Philosophy in Mathematics

The University of Memphis Master of Science in Mathematical Sciences

Mississippi State University Bachelor of Science in Mathematics August 2019 - May 2025 (Anticipated) Advisor: Randall McCutcheon

August 2019 - December 2022

August 2015 - May 2019 cum laude

RESEARCH INTERESTS

I am interested in combinatorics, combinatorial number theory, and Ramsey theory. The work that I have done to date has primarily relied on techniques from ergodic theory and the Stone-Čech compact-ification of a semigroup.

PAPERS

Publications

 A characterization of piecewise *F*-syndetic sets, Semigroup Forum, 109(2):375-389, 2024 https://doi.org/10.1007/s00233-024-10468-0

FUNDING AND SUPPORT

 \circ Van Vleet Doctoral Fellow from the Graduate School at University of Memphis (\$64,000 plus tuition waiver for four years)

 \circ American Institute of Mathematics SQuaRE: Relative notions of size and the Stone-Čech Compactification

INVITED TALKS

- Ergodic Theory Seminar, The University of Memphis, November 2023
- Topological Semigroups and Ramsey Theory Seminar, Howard University, April 2024
- Ergodic Theory Seminar, The University of Memphis, May 2024

TEACHING EXPERIENCE

The University of Memphis Instructor

- Differential Equations: Fall 2024, Spring 2025
- Calculus I: Fall 2021, Fall 2023, Spring 2024
- $\circ~$ Math for Elementary School Teachers I: Fall 2022

August 2021- present

The University of Memphis

TA Coach

• I am the TA Coach for a research team focused on developing pedagogical training for new graduate teachers. As the TA Coach, I perform classroom observations, lead meetings to discuss the findings of the research team with the graduate student teachers, and serve as a liaison between the students and the researchers.

Thrive Scholars

 $Math\ Professor$

- blars Summer 2023 & 2024 or the surface of far Calculus 1 at the Thrice Scholars Summer 2023 and 2024
- I was a math professor for Calculus 1 at the Thrive Scholars Summer Academy in 2023 and 2024. The Thrive Scholars Summer Academy is a program for recent high school graduates. The Summer Academy prepares the scholars, who are first generation college students from underprivaleged backgrounds, for their first year at college. As a math professor, I designed the course, planned the lessons and aided the scholars during their in-class group work.

AWARDS AND HONORS

 \circ Graduate Assistant Meritorious Teaching Award from the Graduate School at the University of Memphis (\$3000 award)

 \circ Dr. Ralph Faudree Research Award from the Department of Mathematical Sciences at the University of Memphis (\$500 award)