

# CONNER GRIFFIN

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## EDUCATION

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### The University of Memphis

Doctorate of Philosophy in Mathematics

*August 2019 - present*

Advisor: Randall McCutcheon

### The University of Memphis

Master of Science in Mathematical Sciences

*August 2019 - December 2022*

### Mississippi State University

Bachelor of Science in Mathematics

*August 2015 - May 2019*

*cum laude*

## RESEARCH INTERESTS

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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 or the Stone-Ćech compactification of a semigroup.

## PAPERS

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### Pre-prints

- **A characterization of piecewise  $\mathcal{F}$ -syndetic sets.**

Submitted with preprint available at [arxiv.org/abs/2311.09436](https://arxiv.org/abs/2311.09436)

## INVITED TALKS

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

## TEACHING EXPERIENCE

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### The University of Memphis

*Instructor*

August 2021- present

- Calculus I: Fall 2021, Fall 2023, Spring 2024
- Math for Elementary School Teachers I: Fall 2022

### The University of Memphis

*TA Coach*

August 2021 - present

- I am the TA Coach for a research team focused on developing pedagogical training for new graduate teachers.

### The University of Memphis

*Tutor*

August 2019 - present

- I am a tutor in our departments tutoring center.

### Thrive Scholars

*Math Professor*

Summer 2023

- I was a math professor for Calculus 1 at the Thrive Scholars Summer Academy held at the University of Chicago.

## ACADEMIC ACHIEVEMENTS

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

## SELECTED REFERENCES

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**Randall McCutcheon** (Professor)  
Department of Mathematical Sciences  
University of Memphis  
Memphis, TN 38152  
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**Máté Wierdl** (Professor)  
Department of Mathematical Sciences  
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