Andrew Hatfield

andrewbhatfield.com

EDUCATION

Illinois State University	Normal, IL
M.S. in Mathematics (GPA 3.85)	*Aug. 2021 - Aug. 2022*

Illinois State University	Normal, IL
B.S. in Mathematics, Economics Minor (GPA 3.79, Cum Laude)	*Aug. 2018 - May 2021*

ACADEMIC EXPERIENCE

Research Work

- *Mathieu-Zhao subspaces of Burnside algebras of some finite groups* (link), Master's Thesis under advisor Wenhua Zhao
- (with Sunil Chebolu, Riley Klette, Christopher Moore, Elizabeth Warden) *Trigonometric functions in the p-norm* (link), Mathematics Exchange, 16 (2022), 2-22
- (with Sunil Chebolu, Jeremy Corry, Elizabeth Grimm) *Rings with an elementary abelian p-group of units* (link), J. Commut. Algebra 15 (4) 469-480, Winter 2023
- (with Elizabeth Grimm) *Hamiltonicity of 3-tough $(K_2 \cup 3K_1)$-free graphs* (link), preprint

Conference and Seminar Talks

- *Hamiltonicity of 3-tough $(K_2 \cup 3K_1)$-free graphs* (link), Graduate Students Combinatorics Conference   *May 2021*
- *Hamiltonicity of 3-tough $(K_2 \cup 3K_1)$-free graphs*, ISU DISCMATH Seminar   *May 2021*
- *Trigonometric functions in the p-norm*, ISU Pure and Applied Mathematics Seminar   *May 2021*

Conferences

- Co-organized and lead student groups at CURE 2022 (link)   *Jun. 2022*

Awards

- United States Presidential Scholar Candidate   *Jan. 2018*
- Redbird Academic Scholarship   *Aug. 2018 - May 2022*
- Outstanding Senior in Mathematics Award   *May 2021*
- Mathematics Undergraduate Research Award   *May 2021*

TEACHING ACTIVITIES

- Fundamentals of Statistical Reasoning (MAT 150), Instructor of Record   *Spring 2022*
- Applied Probability Models (MAT 350), Teaching Assistant   *Fall 2021*
- Fundamentals of Statistical Reasoning (MAT 150), Instructor of Record   *Fall 2021*