

# Jinghan A Zeng

## Curriculum Vitae

Department of Mathematics and Computer Science  
University of Illinois Urbana-Champaign  
✉ jazeng2@illinois.edu  
📄 jazeng2.github.io

CV Last Updated: 05/27/2025

### Research Interests

Graph Theory, Extremal Combinatorics, Graph Algorithms, Game Theory

### Education

2022-2026: **University of Illinois Urbana Champaign**  
**BSLAS in Mathematics**  
**BS in Computer Science**  
Focus Area: Algorithms and Models of Computation  
GPA: 3.98/4.00

### Publications

- 2025 **Paintability of  $r$ -chromatic graphs**  
Peter Bradshaw and Jinghan A Zeng  
Published in *Discrete Mathematics*, <https://arxiv.org/abs/2403.11888>
- 2025 **On the structure of EFX orientations on graphs**  
Jinghan A Zeng and Ruta Mehta  
Published in *Proceedings of the 24th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2025)*, <https://arxiv.org/abs/2404.13527>

### Invited Talks

- Apr 2025 **UIUC Combinatorics Literature Seminar**  
July 2024 **Rutgers Theory of Computation Reading Group**  
Mar 2024 **UIUC Department of Mathematics Undergraduate Seminar**  
Feb 2024 **UIUC Department of CS Theory Teatime Seminar**

### Research Experience

University of Illinois Urbana-Champaign

2023-Present **Illinois Combinatorics Lab for Undergraduate Experiences (ICLUE)**  
Current Mentor: Abhishek Methuku

2022-Present **CS Student Ambassadors and Research Scholars (CS STARS)**  
Current Mentors: Chandra Chekuri and Ruta Mehta

Texas State University - San Marcos

Summer 2025 **Algebra, Combinatorics, and Statistics REU**  
Mentors: Anton Dochtermann and Suho Oh

Rutgers University - New Brunswick

Summer 2024 **DIMACS REU**  
Mentor: Daniel Schoepflin

## Honors and Awards

Mar 2025 **Barry M Goldwater Scholarship**

Dec 2024 **85th Putnam Competition Top 500**

## Graduate Coursework

**CS 574 - Randomized Algorithms**, Grade: A

**MATH 540 - Real Analysis**, Grade: A

**MATH 580 - Combinatorial Mathematics**, Grade: A

**MATH 581 - Extremal Graph Theory**, Grade: A+

**MATH 585 - Probabilistic Combinatorics**, Grade: A+