

Jinghan A Zeng

Curriculum Vitae

Department of Mathematics and Computer Science

University of Illinois Urbana-Champaign

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📄 <https://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

May 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>

Mar 2024 **Paintability of r -chromatic graphs**

Peter Bradshaw and Jinghan A Zeng

To appear in *Discrete Mathematics*, <https://arxiv.org/abs/2403.11888>

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+