

Yixiao Yu

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EDUCATION

- **Ph.D in Computer science** 09/2023 - Now
Nanjing University
 - Field: Theoretical computer science
 - Advisor: Jingcheng Liu
- **B.Sc in Computer science** 09/2019-06/2023
Shandong University
 - Advisor: Haitao Jiang

RESEARCH INTERESTS

- Approximate counting and sampling
- Zero-freeness of generating polynomial

PUBLICATIONS

1. Jingcheng Liu, Chunyang Wang, Yitong Yin, Yixiao Yu
Phase Transitions via Complex Extensions of Markov Chains.
In **STOC 2025**.
2. Xin Tong, Yixiao Yu, Ziyi Fang, Haitao Jiang, Lusheng Wang, Binhai Zhu and Daming Zhu.
Cabbage Can't Always Be Transformed into Turnip: Decision Algorithms for Sorting by Symmetric Reversals.
In **COCOON 2023**.

TEACHING ASSISTANTSHIPS

- Computational method (Spring 2025) Nanjing University
- Advanced algorithm (Fall 2024) Nanjing University
- Computational method (Spring 2024) Nanjing University
- Operating system (Spring 2022) Shandong University

SELECTED AWARDS AND HONORS

- CCF Elite Collegiate Award 2022
- Qingdao Bank Scholarship 2021