

# Jiale Chen

## Education

### 2022 – Present **Stanford University**

Ph.D. candidate in Management Science and Engineering advised by Aaron Sidford  
Research Focus: Graph Algorithms

### 2018 – 2022 **Peking University**

B.Sc., Summa Cum Laude in Computer Science and Technology, Minor in Economics

## Publications

The authors are in alphabetical order. Exceptions are marked with <sup>†</sup>.

### Conference Publications

- 2026 **From Unweighted to Weighted Dynamic Matching in Non-Bipartite Graphs: A Low-Loss Reduction.** To appear in *Proceedings of the 37th ACM-SIAM Symposium on Discrete Algorithms (SODA 2026)*. Aaron Bernstein and **Jiale Chen**
- 2025 **Stable Matching with Interviews.** In *Proceedings of the 16th Innovations in Theoretical Computer Science conference (ITCS 2025)*. Itai Ashlagi, **Jiale Chen**, Mohammad Roghani and Amin Saberi
- 2025 **Matching Composition and Efficient Weight Reduction in Dynamic Matching.** In *Proceedings of the 36th ACM-SIAM Symposium on Discrete Algorithms (SODA 2025)*. Aaron Bernstein, **Jiale Chen**, Aditi Dudeja, Zachary Langley, Aaron Sidford and Ta-Wei Tu
- 2025 **Entropy Regularization and Faster Decremental Matching in General Graphs.** In *Proceedings of the 36th ACM-SIAM Symposium on Discrete Algorithms (SODA 2025)*. **Jiale Chen**, Aaron Sidford, Ta-Wei Tu
- 2023 **Fair Grading Algorithms for Randomized Exams.** In *Proceedings of the 4th annual Symposium on Foundations of Responsible Computing (FORC 2023)*. **Best Student Paper.** **Jiale Chen**, Jason Hartline, Onno Zoeter
- 2023 **MicroscopeSketch: Accurate Sliding Estimation Using AdaptiveZooming<sup>†</sup>.** In *Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD'23)*. Yuhan Wu, Shiqi Jiang, Siyuan Dong, Zheng Zhong, **Jiale Chen**, Yutong Hu, Tong Yang, Steve Uhlig, Bin Cui

## Manuscripts

- 2021 **Equal Affection or Random Selection: the Quality of Subjective Feedback from a Group Perspective.** *Accepted as a poster by the Twenty-Second ACM Conference on Economics and Computation (EC'21, Contributed Poster Session).* **Jiale Chen**, Yuqing Kong, Yuxuan Lu

## Notes

- 2022 **A Note on Locally Fair Cake-Cutting.** **Jiale Chen**

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## Academic Talks

### **Decremental Matching in Weighted Non-Bipartite Graphs**

Simons Institute, Data Structures and Optimization for Fast Algorithms Reunion, 2025

### **Matching Composition and Efficient Weight Reduction in Dynamic Matching**

SODA 2025

UC Davis, Reading Group, 2024

### **Fair Grading Algorithms for Randomized Exams**

FORC 2023

### **Equal Affection or Random Selection: the Quality of Subjective Feedback from a Group Perspective**

Peking University, CS Peer Talk, 2021

EC'21, Contributed Poster Session

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## Teaching

- 2025 Spring **Introduction to Optimization (Accelerated)**, *Stanford University*  
Course Assistant (Instructor: Aaron Sidford)

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## Service and Professional Activities

### External Reviewer

**Conferences:** ESA 2025, FOCS 2025, ISAAC 2025, SODA 2026

**Journals:** ACM Transactions on Economics and Computation (TEAC)

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## Experience

- 2025 Summer **ByteDance Seed**, *San Jose*  
Research intern mentored by Xia Xiao  
Topic: RL Scaling for Post-Training of Reasoning LLMs
- 2021 Summer **Northwestern University**  
Research intern advised by Jason Hartline (remote)  
Topic: Algorithmic Fairness
- 2021 Spring **Harvard University**  
Research intern advised by Ariel Procaccia (remote)  
Topic: Fair Division

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## Selected Scholarships and Awards

2023 **FORC 2023 Best Student Paper Award**

Paper: Fair Grading Algorithms for Randomized Exams

2022 **Lawrence Tang Graduate Fellowship**, *Stanford University*

2022 **Junior Scholar (“未名学士” 称号)**, *Peking University*

The most prestigious award in undergraduate research at Peking University.

2020 **May 4th Scholarship**, *Peking University*

2019 – 2021 **POSCO Scholarship for Asian Universities**

2018 – 2019 **ACM International Collegiate Programming Contest, Regional Contest**

4 Gold Medals (1st place, 1st place, 3rd place, 8th place)

2017 **Chinese National Olympiad in Informatics**

Gold Medal, 2nd place in Winter Camp, 5th place in IOI China Team Selection Competition