

YIFAN WANG

Georgia Institute of Technology, Atlanta, GA, 30332

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EDUCATION

Georgia Institute of Technology

Aug 2021 - May 2026 (Expected)

Ph.D in Computer Science

Advisor: Sahil Singla

Tsinghua University

Aug 2016 - Jun 2020

Graduated with B.Eng in Computer Science, with honor

RESEARCH INTEREST

I am broadly interested in computational economics and theoretical computer science. Currently, I am focusing on the learning aspects of computational economics models.

PUBLICATIONS AND PREPRINTS

Selected Publications

- Enze Sun, Zhihao Gavin Tang, and Yifan Wang. “Combinatorial Philosopher Inequalities”. *To appear in Symposium on Discrete Algorithms (SODA)*, 2026
- Shuchi Chawla, Trung Dang, Zhiyi Huang, and Yifan Wang. “Multi-Unit Combinatorial Prophet Inequalities”. *To appear in Conference on Web and Internet Economics (WINE)*, 2025
- Yifeng Teng and Yifan Wang. “Learning Optimal Posted Prices for a Unit-Demand Buyer”. *ACM Conference on Economics and Computation (EC)*, 2025
- Rohan Ghuge, Sahil Singla, and Yifan Wang. “Single-Sample and Robust Online Resource Allocation”. *Symposium on Theory of Computing (STOC)*, 2025
- Enze Sun, Zhihao Gavin Tang, and Yifan Wang. “Online Stochastic Matching with Unknown Arrival Order: Beating 0.5 against the Online Optimum”. *Symposium on Theory of Computing (STOC)*, 2025
- Sahil Singla and Yifan Wang. “Bandit Sequential Posted Pricing via Half Concavity”. *Conference on Economics and Computation (EC)*, 2024
- Khashayar Gatmiry, Thomas Kesselheim, Sahil Singla, and Yifan Wang. “Bandit Algorithms for Prophet Inequality and Pandora’s Box”. *Symposium on Discrete Algorithms (SODA)*, 2024

Other Old Publications

- Ruifeng Luo, Yifan Wang, Zhiyuan Liu, Weifang Xiao, and Xianzhong Zhao. “A reinforcement learning method for layout design of planar and spatial trusses using kernel regression”. *Applied Sciences*, 2022
- Ruifeng Luo, Yifan Wang, Weifang Xiao, and Xianzhong Zhao. “AlphaTruss: Monte Carlo tree search for optimal truss layout design”. *Buildings*, 2022
- Honglei Zhuang, Chi Wang, and Yifan Wang. “Identifying Outlier Arms in Multi-Armed Bandit”. *Annual Conference on Neural Information Processing Systems (NeurIPS)*, 2017

Preprints

- Gagan Aggarwal, Yifan Wang, and Mingfei Zhao. “*Online Advertising with Spatial Interactions*”. In *Submission*, 2025
- Mohammad Mahdian, Jieming Mao, Enze Sun, Kangning Wang, and Yifan Wang. “*Additively Competitive Secretaries*”. In *Submission*, 2025

EXPERIENCE AND RESEARCH VISITS

Google Research, Mountain View

May 2025 – Aug 2025

Student researcher hosted by Dr. Gagan Aggarwal and Dr. Mingfei Zhao

University of Texas at Austin

Jun 2024

Hosted by Prof. Shuchi Chawla

Shanghai University of Finance and Economics

May 2023 - Aug 2023

Hosted by Prof. Gavin Zhihao Tang

Simons Institute, UC Berkeley

Sep 2022 - Dec 2022

Visiting graduate student of Data-Driven Decision Processes program

SKILLS

Computer Languages and Tools

C/C++, Python, Java, JavaScript, HTML/CSS, MATLAB

Solid programming experience in C, C++

PROFESSIONAL SERVICE

Program Committee Member

WINE '25

Subreviewer

SODA '23, '24, '26

ITCS '25

STOC '25

Journal Reviewer

ToC for APPROX 2024

Operations Research

AWARDS AND FELLOWSHIPS

2016 ACM-ICPC Asia Beijing Regional Gold Medal (6 of 198)

2016 CCPC (China Collegiate Programming Contest) Changchun Regional Gold Medal (7 of 180)

National Scholarship in 2017 (top 3%)

2024 ARC-ACO Fellowship