

YIFAN WANG

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EDUCATION

Georgia Institute of Technology

Aug 2021 - now

Ph.D in Computer Science

Advisor: Sahil Singla

Tsinghua University

Aug 2016 - Jun 2020

Graduated with B.Eng in Computer Science, with honor

PUBLICATIONS AND PREPRINTS

Preprints

- Rohan Ghuge, S. Singla, and Y. Wang. “Single-Sample and Robust Online Resource Allocation”. In *Submission*, 2024
- Zhihao Gavin Tang, Enze Sun, and Yifan Wang. “Online Stochastic Matching with Unknown Arrival Order: Beating 0.5 against the Online Optimum”. In *Submission*, 2024
- Mahdian Mohammad, Mao Jieming, Sun Enze, Wang Kangning, and Wang Yifan. “Additively Competitive Secretaries”. In *Submission*, 2024

Selected Publications

- Sahil Singla and Yifan Wang. “Bandit Sequential Posted Pricing via Half Concavity”. *Conference on Economics and Computation (EC)*, 2024
- Khashayar Gatmiry, Thomas Kesselheim, Singla 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

RESEARCH VISITS

Simons Institute, UC Berkeley

Sep 2022 - Dec 2022

Visiting graduate student of Data-Driven Decision Processes program

Shanghai University of Finance and Economics

May 2023 - Aug 2023

Host: Prof. Gavin Zhihao Tang

University of Texas at Austin

Jun 2024

Host: Prof. Shuchi Chawla

TALKS

- **Exponential Pricing for Online Resource Allocation**

- Shanghai University of Finance and Economics, Apr 2024
- University of Texas at Austin, Jun 2024
- Workshop on Frontiers of Online Advertising: Autobidding, GenAI, and Beyond at EC, Jul 2024
- ARC Colloquium at Georgia Tech, Sep 2024

- **Bandit Sequential Posted Pricing via Half Concavity**

- EC, Jul 2024

- **Bandit Algorithms for Prophet Inequality and Pandora's Box**

- ACO Student Seminar, Georgia Tech, Sep 2022
- Simons Institute, UC Berkeley, Nov 2022
- SODA, Jan 2024

PROFESSIONAL SERVICE

Subreviewer	SODA '23, '24 ITCS '25
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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

SKILLS

Computer Languages and Tools	C/C++, Python, Java, JavaScript, HTML/CSS, MATLAB
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Solid programming experience in C, C++