

ZONGJUN YANG

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EDUCATION

Columbia University Aug 2024 - Present
PhD in Operations Research
Advisor: Christian Kroer

Columbia University Aug 2024 - May 2025
MS in Operations Research

Peking University Sep 2020 - Jul 2024
BS in Computer Science

RESEARCH INTERESTS

Algorithmic game theory, ad auctions, market equilibria, fair allocation, online learning, data-driven optimization.

JOURNAL PAPERS / SUBMISSIONS

- *Online Fair Allocation with Best-of-Many-Worlds Guarantees*
Zongjun Yang, Luofeng Liao, Yuan Gao, Christian Kroer
Major revision at Management Science

CONFERENCE PAPERS

- *Competitive Equilibrium in Labor Economies through the Lens of Goods and Chores Fisher Markets*
Bhaskar Ray Chaudhury, Christian Kroer, Ruta Mehta, Tianlong Nan, Zongjun Yang
ACM Conference on Economics and Computation (EC), 2026
- *Online Generalized-Mean Welfare Maximization: Achieving Near-Optimal Regret from Samples*
Zongjun Yang, Rachitesh Kumar, Christian Kroer
ACM Conference on Economics and Computation (EC), 2026
- *Learning against Non-credible Auctions*
Qian Wang, Xuanzhi Xia, Zongjun Yang, Xiaotie Deng, Yuqing Kong, Zhilin Zhang, Liang Wang, Chuan Yu, Jian Xu, Bo Zheng
The Web Conference (WWW), 2025
- *Greedy-Based Online Fair Allocation with Adversarial Input: Enabling Best-of-Many-Worlds Guarantees*
Zongjun Yang, Luofeng Liao, Christian Kroer
AAAI Conference on Artificial Intelligence, 2024
- *Learning to Bid in Repeated First-Price Auctions with Budgets*
Qian Wang, Zongjun Yang, Xiaotie Deng, Yuqing Kong
International Conference on Machine Learning (ICML), 2023
- *Altruism, Collectivism and Egalitarianism: On a Variety of Prosocial Behaviors in Binary Networked Public Goods Games*
Jichen Li, Xiaotie Deng, Yukun Cheng, Yuqi Pan, Xuanzhi Xia, Zongjun Yang, Jan Xie
International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2023

INDUSTRY EXPERIENCE

Google Research NYC
Student Researcher

Summer 2026

SERVICE

- Conference Reviewer: SODA 2027, AAAI 2027, WINE 2026, AAAI 2026

TEACHING EXPERIENCE

Columbia University
Teaching Assistant, AI in Operations Research & Financial Engineering

Spring 2026

Peking University
Teaching Assistant, Randomized Algorithms

Spring 2023, Spring 2024

TALKS AND PRESENTATIONS

- *Competitive Equilibrium in Labor Economies through the Lens of Goods and Chores Fisher Markets*
- EC Conference, Sapienza University of Rome, 2026
- *Online Generalized-Mean Welfare Maximization: Achieving Near-Optimal Regret from Samples*
- EC Conference, Sapienza University of Rome, 2026
- NYC Operations Day, Baruch Business School, 2026
- Columbia IEOR Colloquium, 2026
- *Robust Online Fair Allocation with a Single Sample*
- Online Learning and Economics Workshop at EC, Stanford University, 2025
- INFORMS annual meeting, Atlanta, 2025
- *Online Fair Allocation with Best-of-Many-Worlds Guarantees*
- INFORMS annual meeting, Atlanta, 2025
- NYC Operations Day, New York University, 2025
- Columbia IEOR Colloquium, 2025
- *Greedy-Based Online Fair Allocation with Adversarial Input: Enabling Best-of-Many-Worlds Guarantees*
- AAAI Conference, Vancouver, 2024
- *Learning to Bid in Repeated First-Price Auctions with Budgets*
- ICML Conference, Honolulu, 2023