DUOHAN ZHANG

College of Information Sciences and Technology, Pennsylvania State University

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RESEARCH INTERESTS

Algorithmic Social Choice, Reinforcement Learning, Mechanism Design.

EDUCATION

Pennsylvania State University   *State College, Pennsylvania*
Ph.D. student, *College of Information Sciences and Technology*   *2023.8 - present*
Advisor: Prof. Hadi Hosseini

University of Wisconsin-Madison   *Madison, Wisconsin*
Master of Philosophy, *Department of Statistics*   *2021.9 - 2023.5*
Advisor: Prof. Josiah Hanna

University of Science and Technology of China   *Hefei, China*
Bachelor of Science, *Department of Statistics*   *2018.9 - 2022.6*

RESEARCH EXPERIENCE

Pennsylvania State University: *2023.8-present*
Advisor: Prof. Hadi Hosseini
I work with Dr. Hosseini on bandit learning in stable matching market problems. I also closely work with Dr. Hosseini and Dr. Mehrdad Mahdavi on incentive mechanism problems in collaborated / federated learning.

University of Wisconsin-Madison: *2021 - 2023*
Advisor: Prof. Josiah Hanna
Worked on sample efficient data collection in reinforcement learning.

SELECTED AWARDS AND FELLOWSHIPS

USTC Student Scholarship   *2020*
USTC Student Scholarship   *2019*

PUBLICATIONS

α-β indicates alphabetical author order.
∗ indicates corresponding author.

[1] Rujie Zhong, Duohan Zhang ∗, Lukas Schäfer, Stefano V.Albrecht, Josiah P. Hanna ∗. "Robust On-Policy Sampling for Data-efficient Policy Evaluation."[NeurIPS 2022] .

[2] (α-β) Hadi Hosseini, Sanjukta Roy, Duohan Zhang ∗. "Putting Gale & Shapley to work: Guaranteeing Stability Through Learning."[NeurIPS 2024] .