Zuyue Fu | Curriculum Vitae

Meta Platforms – Menlo Park, CA
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Education

Northwestern University — **Evanston, IL, USA**
Doctor of Philosophy, Supervised by Prof. Zhaoran Wang — *Sep. 2017 – Sep. 2022*
Department of Industrial Engineering and Management Sciences

Shanghai Jiao Tong University — **Shanghai, China**
Bachelor of Science in Mathematics and Applied Mathematics — *Sep. 2013 – Jun. 2017*
Zhiyuan Honors Program

Professional Experience

Meta Platforms — **Menlo Park, CA, USA**
Meta AI, Generative AI Org — *Mar. 2024 – Present*
Research Scientist

Meta Platforms — **Menlo Park, CA, USA**
Facebook News Feed Ranking — *Sep. 2022 – Mar. 2024*
Research Scientist

Facebook — **Seattle, WA, USA**
Facebook Video Ranking — *2021 Summer*
Software Engineer Intern

J.P. Morgan — **New York, NY, USA**
Multi-agent RL, AI Research — *2020 Summer*
Research Intern

Publications and Manuscripts

- **Offline Reinforcement Learning for Human-Guided Human-Machine Interaction with Private Information** (with Z. Qi, Z. Yang, Z. Wang, L. Wang). (2025). Management Science.
- **Instrumental variable value iteration for causal offline reinforcement learning** (with L. Liao, Z. Yang, Y. Wang, M. Kolar, Z. Wang). (2024). Journal of Machine Learning Research.
- **Optimistic Exploration with Learned Features Provably Solves Markov Decision Processes with Neural Dynamics** (with S. Zheng, L. Wang, S. Qiu, Z. Yang, C. Szepesvari, Z. Wang). (2023). International Conference on Learning Representations.
- **False Correlation Reduction for Offline Reinforcement Learning** (with Z. Deng, L. Wang, Z. Yang, C. Bai, Z. Wang, J. Jiang). (2023). IEEE Transactions on Pattern Analysis and Machine Intelligence.
- **Offline Reinforcement Learning with Instrumental Variables in Confounded Markov Decision Processes** (with Z. Qi, Z. Wang, Z. Yang, Y. Xu, M. R. Kosorok). (2022). Submitted to Annals of Statistics.
- **Learning from Demonstration: Provably Efficient Adversarial Policy Imitation with Linear Function Approximation** (with Z. Liu, Y. Zhang, Z. Yang, Z. Wang). (2022). International Conference on Machine Learning.
- **Decentralized Single-Timescale Actor-Critic on Zero-Sum Two-Player Stochastic Games** (with H. Guo, Z. Yang, Z. Wang). (2021). International Conference on Machine Learning.
- **Sample Elicitation** (with J. Wei, Y. Liu, X. Li, Z. Yang, Z. Wang). (2021). International Conference on Artificial Intelligence and Statistics.
- **Single-Timescale Actor-Critic Provably Finds Globally Optimal Policy** (with Z. Yang, Z. Wang). (2021). International Conference on Learning Representations.

- **Actor-Critic Provably Finds Nash Equilibria of Linear-Quadratic Mean-Field Games** (with Z. Yang, Y. Chen, Z. Wang). (2020). International Conference on Learning Representations.

Awards

- **National Scholarship**, Ministry of Education of P.R.China. 2016.
- **Walter P. Murphy Fellowship**, Northwestern University. 2017 & 2019.
- **NeurIPS Travel Award**. 2019.

Professional Services

2018 – Present: Reviewers of various conferences: International Conference on Artificial Intelligence and Statistics (AISTATS), International Conference on Learning Representations (ICLR), International Conference on Machine Learning (ICML), Conference on Neural Information Processing Systems (NeurIPS). Reviewer of journal: Journal of Machine Learning Research (JMLR).