YU CHEN

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EDUCATION

Ph.D. Candidate | *Computer Science*   Sep. 2023 – Jun. 2028(expected)

Tsinghua University, Institute for Interdisciplinary Information Sciences

Advisor: Prof. Longbo Huang

Bachelor of Science | *Mathematics*   Aug. 2019 – Jun 2023

Tsinghua University, Department of Mathematcis   Rank 17/110

RESEARCH INTEREST

Machine learning, with emphases the theory and application on reinforcement learning and online learning.

PUBLICATIONS

Yu Chen*, XiangCheng Zhang*, Siwei Wang, Longbo Huang, "Provable Risk-Sensitive Distributional Reinforcement Learning with General Function Approximation", in 41st International Conference on Machine Learning (ICML), 2024. *(*equal contribution)*

Zhang, Tonghe*, **Yu Chen***, and Longbo Huang. "Provably Efficient Partially Observable Risk-Sensitive Reinforcement Learning with Hindsight Observation." in 41st International Conference on Machine Learning (ICML), 2024. *(*equal contribution)*

Yu Chen, Yihan Du, Pihe Hu, Siwei Wang, Desheng Wu, and Longbo Huang, "Provably Efficient Iterated CVaR Reinforcement Learning with Function Approximation and Human Feedback," in 12th International Conference on Learning Representations (ICLR), 2024.

Pihe Hu, **Yu Chen**, Ling Pan, Zhixuan Fang, Fu Xiao, and Longbo Huang, "Multi-User Delay-Constrained Scheduling With Deep Recurrent Reinforcement Learning," in *IEEE/ACM Transactions on networking (TON)*, 2023.

Pihe Hu*, **Yu Chen***, and Longbo Huang, "Towards minimax optimal reward-free reinforcement learning in linear mdps," in 11th International Conference on Learning Representations (ICLR), 2023. (*equal contribution)

Pihe Hu, **Yu Chen**, and Longbo Huang, "Nearly minimax optimal reinforcement learning with linear function approximation," in 39th International Conference on Machine Learning (ICML), 2022.

Pihe Hu, Ling Pan, **Yu Chen**, Zhixuan Fang, and Longbo Huang, "Effective multi-user delay-constrained scheduling with deep recurrent reinforcement learning," in *The 23rd International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing(MobiHoc)*, 2022.

SELECTED HONORS AND AWARDS

China National Scholarship   Oct 2022

Recognition for 2/110 junior undergraduate students in Department of Mathematics, Tsinghua

Xiao Qin Scholarship   Dec 2022

Recognition for the best student for each class in Department of Mathematcs, Tsinghua

Tsinghua University Scholarship for Social Work   Oct 2021

Tsinghua University Scholarship for Social Work   Oct 2020

Tsinghua University Scholarship for Academic	Oct 2020
First Prize (Beijing Area), China Undergraduate Mathematical Contest in Modelling	Sep 2020
First Prize, Chinese Mathematical Olympiad in Provinces	Sep 2018
First Prize, Chinese Mathematical Olympiad in Provinces	Sep 2017
First Prize, National Olympiad in Informatics in Provinces	Nov 2017

LEADERSHIP EXPERIENCE

Tsinghua Students' Association of Min Culture   Aug 2019 – Sep 2023
Serve as president from Mar 2021 – Sep 2023

Tsinghua Students' Club of Military Chess   Oct 2019 – Jun 2023
Serve as vice president from Jun 2021 – Jun 2023