Jiachen Hu

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Haidian District, Beijing,
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EDUCATION

School of Computer Science, Peking University 2020.9 -
Ph.D candidate. Advisor: Liwei Wang

Turing Class, School of EECS, Peking University 2016.9 - 2020.6
B.S in Science

RESEARCH INTERESTS

Sample efficient reinforcement learning, online learning, explorations in structured MDPs/POMDPs, and applications in social problems (e.g., sim-to-real transfer).

PREPRINTS (* denotes equal contributions)

PUBLICATIONS (* denotes equal contributions)

Provable Sim-to-real Transfer in Continuous Domain with Partial Observations
- Jiachen Hu*, Han Zhong*, Chi Jin, Liwei Wang
- ICLR 2023

Understanding Domain Randomization for Sim-to-real Transfer
- Xiaoyu Chen*, Jiachen Hu*, Chi Jin, Lihong Li, Liwei Wang
- ICLR 2022 (**spotlight, 6% 176/3328**)

Near-Optimal Reward-Free Exploration for Linear Mixture MDPs with Plug-in Solver
- Xiaoyu Chen, Jiachen Hu, Lin F. Yang, Liwei Wang
- ICLR 2022 (**spotlight, 6% 176/3328**)

Near-optimal Representation Learning for Linear Bandits and Linear RL
- Jiachen Hu*, Xiaoyu Chen*, Chi Jin, Lihong Li, Liwei Wang
- ICML 2021

Efficient Reinforcement Learning in Factored MDPs with Application to Constrained RL
- Xiaoyu Chen, Jiachen Hu, Lihong Li, Liwei Wang
- ICLR 2021

Distributed Bandit Learning: Near-Optimal Regret with Efficient Communication
- Yuanhao Wang*, Jiachen Hu*, Xiaoyu Chen, Liwei Wang
- ICLR 2020

INTERNSHIPS

Summer intern at UIUC 2019.6 - 2019.8
Host: Nan Jiang

SERVICES

Conference reviewing: ICLR (2022,2023), ICML (2022), NeurIPS (2021)

HONORS   **Peking University President Scholarship (2020)**

                    Wu Si Scholarship (2018)

                    Merit Student of Peking University (top 5%, 2017)

                    Robin Li Scholarship (2017)

                    Third-class annually New Students Scholarship (2016)