

Jiachen Hu

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EDUCATION	School of Computer Science, Peking University Ph.D candidate. Advisor: Liwei Wang	2020.9 -
	Turing Class, School of EECS, Peking University B.S in Science	2016.9 - 2020.6
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)	
	Provable Sim-to-real Transfer in Continuous Domain with Partial Observations <ul style="list-style-type: none">• Jiachen Hu*, Han Zhong*, Chi Jin, Liwei Wang• Arxiv preprint	
PUBLICATIONS	(* denotes equal contributions)	
	Distributed Bandit Learning: Near-Optimal Regret with Efficient Communication <ul style="list-style-type: none">• Yuanhao Wang*, Jiachen Hu*, Xiaoyu Chen, Liwei Wang• ICLR 2020	
	Efficient Reinforcement Learning in Factored MDPs with Application to Constrained RL <ul style="list-style-type: none">• Xiaoyu Chen, Jiachen Hu, Lihong Li, Liwei Wang• ICLR 2021	
	Near-optimal Representation Learning for Linear Bandits and Linear RL <ul style="list-style-type: none">• Xiaoyu Chen*, Jiachen Hu*, Chi Jin, Lihong Li, Liwei Wang• ICML 2021	
	Near-optimal Representation Learning for Linear Bandits and Linear RL <ul style="list-style-type: none">• Jiachen Hu*, Xiaoyu Chen*, Chi Jin, Lihong Li, Liwei Wang• ICML 2021	
	Understanding Domain Randomization for Sim-to-real Transfer <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• Xiaoyu Chen, Jiachen Hu, Lin F. Yang, Liwei Wang• ICLR 2022 (spotlight, 6% 176/3328)	
INTERNSHIPS	Summer intern at UIUC Host: Nan Jiang	2019.6 - 2019.8

SERVICES

Conference reviewing: ICLR 2022/2023, ICML 2022, Neurips 2021