

Liangyawei Kuang

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Introduction	I am a postgraduate researcher at the Hong Kong University of Science and Technology (HKUST) . My research goal is to develop learning algorithms and techniques that could endow machines and systems with greater autonomy and intelligence to acquire the skills for executing complex tasks. I am interested in the intersection of multi-agent systems, reinforcement learning, game theory, robotics, vision, and machine learning. Currently, I focus on both solving Multi-Agent Reinforcement Learning problems under scalability and reliability consideration & diving theoretical and algorithmic foundation of Reinforcement Learning.		
Education	HKUST, Hong Kong, China	Aug. 2021 - present	
	Master of Philosophy in Robotics and Autonomous Systems		
	Advisor: Prof. Fangzhen Lin		
	Northeastern University, MA, U.S.A.	Jul. 2020 - Jun. 2021	
	Thesis-based Master of Computer Engineering in Computer Vision, Machine Learning and Algorithms (degree discontinued)		
	University of California, Irvine, CA, U.S.A.	Aug. 2019 - Jun. 2020	
	Final year visiting in Electrical Engineering & Computer Science Department		
	Hong Kong Polytechnic University, Hong Kong, China	Jan. 2019 - Jun. 2019	
	One-semester exchange in Mechanical Engineering Department		
	Harbin Institute of Technology, Harbin, China	Aug. 2016 - Jun. 2020	
	Bachelor of Engineering in Mechatronics Engineering		
Teaching	HKUST, Lecturer	Spring 2022	
	Multi-Robot Systems (course link)		
	Northeastern University, Teaching Assistant	Fall 2020	
	EECS 7311: Two Dimensional Signal and Image Processing		
Skills	Programming	Python, C/C++, MATLAB, R, SQL, Java	
	Libraries	NumPy, Matplotlib, Scikit-Learn, OpenAI Gym, PyTorch, TensorFlow2	
	Languages	Mandarin, Classical Chinese, English, Latin	
	Others	L ^A T _E X, Linux, ROS, Docker, Vim, Microsoft Office	
Honours	Postgraduate Studentship, HKUST	2021 - 2023	
	Meritorious Winner, Mathematical Contest in Modeling	2019	
	Outstanding Student Leader, Harbin Institute of Technology	2017 & 2018	
	Second Class Scholarship, Harbin Institute of Technology	2017 & 2018	
	SMC Scholarship, Harbin Institute of Technology	2017	