

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 and Prof. Ling Shi	
	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)	
Teaching	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
Skills	Bachelor of Engineering in Mechatronics Engineering	
	HKUST , Lecturer	Spring 2022
	Multi-Robot Systems (course link)	
Honours	<i>Northeastern University</i> , Teaching Assistant	Fall 2020
	EECS 7311: Two Dimensional Signal and Image Processing	
Skills	Programming	Python, C/C++, MATLAB
	Libraries	NumPy, Matplotlib, Scikit-Learn, OpenAI Gym, PyTorch, TensorFlow2
	Languages	Mandarin, Classical Chinese, English, Latin
	Others	L ^A T _E X, Linux, ROS, Microsoft Office
Honours	<i>Postgraduate Studentship</i> , HKUST	2021 - 2023
	<i>Meritorious Winner</i> , Mathematical Contest in Modeling	2019
	<i>Outstanding Student Leader</i> , Harbin Institute of Technology	2017 & 2018
	<i>Second Class Scholarship</i> , Harbin Institute of Technology	2017 & 2018
	<i>SMC Scholarship</i> , Harbin Institute of Technology	2017