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Email : lisheng@stanford.edu Phone : (734) 747-4008		GitHub: parachutel LinkedIn: sheng-li	Homepage: sheng-li.me Citizenship: China	
Research interests	e	nforcement Learning, Rein earning, Artificial Intelligene	forcement Learning, Machine ce	
Education	Stanford Univer	rsity	Stanford, CA	
	PhD in Aero & As	stro Engineering	May 2019 – Present	
	Mentors: Professo	ors Kochenderfer, Mykel J. G	EPA: 3.97.	
	Stanford Univer	rsity	Stanford, CA	
	MS in Aero & Ast	ro Engineering	Sep 2017 – Jun 2019	
	Mentors: Professo	ors Kochenderfer, Mykel J. G	PA: 3.92.	
	University of M	ichigan	Ann Arbor, MI	
	BSE in Aerospace	Engineering	Sep 2015 – Apr 2017	
	GPA: 3.86.			
	Shanghai Jiao T	ong University	Shanghai, China	
	BSE in Mechanica	al Engineering	Sep 2013 – Aug 2017	
	GPA: 3.75.			
Honors and	Jackson and Muriel Lum Scholarship (University of Michigan) 2015-2017			
scholarships	Excellent Academic Scholarship (Shanghai Jiao Tong University) 2014			
Publications	Deep implicit learning	coordination graphs for	multi-agent reinforcement	
	S. Li, J. K. Gupta,	P. Morales, R. Allen, and M.	J. Kochenderfer.	
International Conference on Autonomous Agents and Multiagent Systems		its and Multiagent Systems (AA-		
	MAS), 2021.			
	Towards a distributed framework for multi-agent reinforcement learn-			
	ing research			
		el, P. Morales, S. Li, J. Pena, I		
	IEEE Hign Perform	nance Extreme Computing (H	IFEC), 2020.	
	-	nalysis of fleet management and infrastructure constraints in on-		
		ir mobility operations		
	S. LI, M. Egorov, a AIAA AVIATION,	and M. J. Kochenderfer.		
	<u>, , , , , , , , , , , , , , , , , , , </u>	2020.		

	Optimizing collision avoidance in dense airspace using deep reinforce- ment learning S. Li, M. Egorov, and M. J. Kochenderfer.		
	Air Traffic Management Research and Development Seminar, 2019.		
Research experience	Stanford Intelligent Systems Laboratory (SISL)		
	Mentors: Professor Mykel Kochenderfer Jul 2018 – Present		
	 Multi-agent reinforcement learning research sponsored by MIT Lincoln Lab. Exploring multi-agent cooperation and coordination. Studying cross-agent communication. Incorporating humans with AI. 		
	• Urban air mobility (UAM) research sponsored by Airbus. Solving air colli- sion avoidance using dynamic programming and deep reinforcement learning. Developing and analyzing UAM infrastructure and traffic management.		
	Spacecraft Relative Motion Lab		
	Mentors: Professor Ilya Kolmanovsky (U. of Michigan) Feb 2016 – Dec 2016		
	Studying model predictive control (MPC), optimal and receding horizon drift		
	counteraction control. Implementing estimator and improve MPC controller. Implementing control algorithm to emulate spacecraft motion with Omni- directional robots		
Industry experience	SAIC Volkswagen Koito Automotive Lamp Division Shanghai, China		
	Capstone internship Summer 2017		
	Designing and manufacturing a sensor for measuring the force distribution of		
	the step motor in an auto-leveling vehicle headlight.		
Skills	Programming		
	Proficient in: Python, Julia, Matlab.		
	Familiar with: C++.		
	Languages		
	English (advanced), Mandarin (native)		
Other interests	Photography.		