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Research Interests	mechanism design, information design, microeconomic theory, Algorithmic game theory, online algorithms			
Employment	Assistant Professor in Economics, Nation	sistant Professor in Economics, National University of Singapore 202		
	Postdoc Associates, Cowles Foundation and Department of Computer Science, Y		ics 2022 - 2024	
	Research Intern, Microsoft Research		Jun to Aug 2020, 2021	
Education	Northwestern University, Evanston, IL, V Ph.D., Computer Science Advisor: Jason D. Hartline	USA	June 2022	
	Stony Brook University, Stony Brook, N	Y, USA	May 2018	
	M.S., Computer Science			
	Shanghai Jiaotong University, Shanghai,		June 2015	
	B.S., Major: Computer Science, Mine	or: Robotics (IEEE hon	or class)	
Awards	Northwestern Terminal Year Fellowship		2021	
Working Papers	5 1. Optimal Scoring for Dynamic Infor with Jonathan Libgober	rmation Acquisition.		
	2. Managing Persuasion Robustly: The with Dirk Bergemann and Tan Gergemann and Gerge	- • -	Rules.	
	3. Screening Signal-Manipulating Age with Xiaoyun Qiu	ents via Contests.		
	4. Simple Mechanisms for Agents wit with Yiding Feng and Jason Hart			
	5. Optimal Mechanism Design with E with Daniel Clark	2ndogenous Principal Le	earning.	
	6. Scale-robust Auctions. with Jason Hartline and Aleck Job	hnsen		
	 Falsifiable Test Design in Coordina with Boli Xu 	tion.		
	8. Incentivizing Participation in Clini with Alex Slivkins	cal Trials.		
	9. Misspecified Beliefs about Time La with Harry Pei	ıgs.		

Journal Publications	 Nearly Minimax-Optimal Regret for Linearly Parameterized Bandits. with Yining Wang and Yuan Zhou, Transactions on Information Theory 2024
	2. Your College Dorm and Dormmates: Fair Resource Sharing with Externalities. with Jiarui Gan and Bo Li, Journal of Artificial Intelligence Research 2023
	3. Bayesian Auctions with Efficient Queries. with Jing Chen, Bo Li and Pinyan Lu,Artificial Intelligence 2022
	 Equilibrium Behaviors in Repeated Games. with Harry Pei, Journal of Economic Theory 2021
	 5. Efficient Approximations for the Online Dispersion Problem. with Jing Chen and Bo Li, SIAM Journal on Computing 2019
Conference Publications	 Algorithmic Information Disclosure in Optimal Auctions. with Yang Cai and Jinzhao Wu, EC 2024
	2. Optimal Scoring for Dynamic Information Acquisition. with Jonathan Libgober, EC 2024
	 Revenue Maximization for Buyers with Costly Participation. with Yannai Gonczarowski, Nicole Immorlica and Brendan Lucier, SODA¹ 2024
	 4. Optimal Scoring Rules for Multi-dimensional Effort. with Jason Hartline, Liren Shan and Yifan Wu, COLT² 2023
	 Bayesian Analysis of Linear Contracts. with Tal Alon, Paul Dütting and Inbal Talgam-Cohen, EC³ 2023
	 Making Auctions Robust to Aftermarkets. with Moshe Babaioff, Nicole Immorlica and Brendan Lucier, ITCS⁴ 2023
	 Budget Pacing in Repeated Auctions: Regret and Efficiency without Convergence. with Jason Gaitonde, Bar Light, Brendan Lucier and Alex Slivkins, ITCS 2023
	8. Simple Mechanisms for Non-linear Agents. with Yiding Feng and Jason Hartline, SODA 2023
	9. Selling Data to an Agent with Endogenous Information. EC 2022
	10. Optimization of Scoring Rules. with Jason Hartline, Liren Shan and Yifan Wu, EC 2022
	 Almost Proportional Allocations for Indivisible Chores. with Bo Li and Xiaowei Wu, WebConf⁵ 2022
	12. Revelation Gap for Pricing from Samples. with Yiding Feng and Jason Hartline, STOC ⁶ 2021
	¹ ACM-SIAM Symposium on Discrete Algorithms ² Conference on Learning Theory ³ ACM Conference on Economics and Computation ⁴ Innovations in Theoretical Computer Science ⁵ The Web Conference ⁶ ACM Symposium on Theory of Computing

	13. Tight Regret Bounds for Infinite-armed Linear Contextual Bar with Yining Wang, Xi Chen and Yuan Zhou,	ndits. $AISTATS^7 2021$		
	14. Benchmark Design and Prior-independent Optimization. with Jason Hartline and Aleck Johnsen,	$FOCS^{8} 2020$		
	15. Multinomial Logit Bandit with Low Switching Cost. with Kefan Dong, Qin Zhang and Yuan Zhou,	ICML ⁹ 2020		
	16. Fair Resource Sharing and Dorm Assignments. with Bo Li,	$AAMAS^{10}$ 2020		
	17. Approximately Maximizing the Broker's Profit in a Two-sided with Jing Chen and Bo Li,	Market. IJCAI ¹¹ 2019		
	 Optimal Auctions vs. Anonymous Pricing: Beyond Linear Util with Yiding Feng and Jason Hartline, 	lity. EC 2019		
	19. Nearly Minimax-Optimal Regret for Linearly Parameterized B with Yining Wang and Yuan Zhou,	andits. COLT 2019		
	20. Revenue Maximization with Imprecise Distribution. with Pinyan Lu and Haoran Ye,	AAMAS 2019		
	21. Information Elicitation for Bayesian Auctions. with Jing Chen and Bo Li,	$SAGT^{12} 2018$		
	22. Dynamic Fair Division Problem with General Valuations. with Bo Li and Wenyang Li,	IJCAI 2018		
	23. Bayesian Auctions with Efficient Queries (Brief Announcement with Jing Chen, Bo Li and Pinyan Lu,	t). ICALP ¹³ 2018		
	24. Efficient Approximations for the Online Dispersion Problem. with Jing Chen and Bo Li,	ICALP 2017		
Academic Service	Workflow Chair: EC 2024 Program Committee • EAAMO 24 ¹⁴ , EC 2024, WINE ¹⁵ 2023, EC 2023, WebConf 2023	, WINE 2022		
	 Journal Reviewer American Economic Review, American Economic Review: Insight, Journal of Economic Theory, Journal of the ACM, SIAM Journal on Computing, Operations Research, Mathematics of Operations Research, Games and Economic Behavior, Transactions on Information Theory, Transactions on Economics and Computation, Economic Theory 			
	 Conference Reviewer STOC, SODA, EC, ICALP, ICML, ITCS, KDD, AISTATS, ESA, WebConf, WINE, COCOA 			
	 ⁷International Conference on Artificial Intelligence and Statistics ⁸IEEE Symposium on Foundations of Computer Science ⁹International Conference on Machine Learning ¹⁰International Conference on Autonomous Agents and Multiagent Systems ¹¹International Joint Conferences on Artificial Intelligence ¹²International Symposium on Algorithmic Game Theory ¹³EATCS International Colloquium on Automata, Languages and Programmin ¹⁴ACM Conference on Equity and Access in Algorithms, Mechanisms, and Op ¹⁵Conference on Web and Internet Economics 			

Teaching	Teaching Assistant - Northwestern University		
Experience	PERIENCE COMP_SCI 396 - Online Markets		Spring 2020
	COMP_SCI 336 - Design & Analysis of Algorithms		Fall 2019
	$\operatorname{COMP_SCI}$ 212 - Mathematical Foundations of Computer Science		Spring 2019
	Teaching Assistant - Stony Brook University		
	CSE 215 - Foundations of Computer Science	Fall 201	5, Spring 2016
	CSE 114 - Computer Science I		Spring 2016
	CSE 540 - Theory of Computation		Fall 2016