

Luhao Zhang

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RESEARCH AREA	Quantitative Finance, Stochastic Control, Data-driven Decision Making under Uncertainty	
EDUCATION	The University of Texas at Austin , Austin, TX, USA	
	Ph.D. Student in Mathematics	Aug. 2018 - Present
	Adviser: Thaleia Zariphopoulou	
	Xi'an Jiaotong University (XJTU) , Xi'an, Shaanxi, China	
	Special Class for the Gifted Youth Program	Aug. 2012 - 2014
	B.S. in Mathematics and Applied Mathematics (Honors Science Program)	Aug. 2014 - 2018
	Columbia University in the City of New York , New York City, NY, USA	
	Visiting Undergraduate Student	Jan. - May 2016
	University of California, Berkeley , Berkeley, CA, USA	
	Visiting Undergraduate Student	Jan. - May 2017
PUBLICATIONS AND PREPRINTS	Submitted for Publication	
	<ul style="list-style-type: none">Rui Gao, Jincheng Yang, Luhao Zhang. <i>Robust Policy Optimization for Feature-Based Newsvendor</i> (2021)	
	In Preparation	
	<ul style="list-style-type: none">Thaleia Zariphopoulou, Luhao Zhang. <i>Optimal investment under partial information with CMIM utility</i> (2021)Rui Gao, Jincheng Yang, Luhao Zhang. <i>Distributionally Robust End-to-end Learning with Contextual Information</i> (2021)Rui Gao, Jincheng Yang, Luhao Zhang. <i>A Simple Duality Proof for Wasserstein Distributionally Robust Optimization</i> (2021)	
AWARD	Frank Gerth III Teaching Excellence Award , UT Austin	2021
PROGRAMMING	Experience in Python, C++, R, Matlab, Mathematica	

INVITED TALKS	<ul style="list-style-type: none"> Robust Optimization Webinar Series, on the topic of <i>Robust Policy Optimization for Feature-Based Newsvendor</i> May 20, 2021 The 13th International Conference of the Chinese Scholars Association for Management Science and Engineering (CSAMSE), Shanghai Jiaotong University, on the topic of <i>Robust Policy Optimization for Feature-Based Newsvendor</i> July 31, 2021
CONFERENCES & WORKSHOPS ATTENDED	<ul style="list-style-type: none"> Decision Making in Health and Medical Care, IMSI May 17-21, 2021 SIAM Conference on Financial Mathematics and Engineering (FM21) June 1-4, 2021 SIAM Conference on Control and Its Applications (CT21) July 19-21, 2021 SIAM Annual Meeting (AN21) July 19-23, 2021 SIAM Conference on Optimization (OP21) July 20-23, 2021
TEACHING EXPERIENCE	Applied Mathematics and Statistics
	<ul style="list-style-type: none"> M358K <i>Applied Statistics</i> Fall, 2021 M362K <i>Probability</i> Fall, 2020 M348 <i>Scientific Computation in Numerical Analysis</i> Spring and Fall, 2019
	Pure Mathematics
	<ul style="list-style-type: none"> M408K <i>Differential Calculus</i> Spring, 2021 M F325K <i>Discrete Mathematics</i> Summer, 2020 M427L <i>Advanced Calculus for Applications II</i> Spring, 2020 M408D <i>Sequences, Series, and Multivariable Calculus</i> Fall, 2018
OUTREACH	Directed Reading Program Mentor
	<ul style="list-style-type: none"> Sonali Singh, on the topic of <i>Stochastic Calculus for Finance</i> Spring, 2020
RESEARCH TOPICS	<ul style="list-style-type: none"> Robust portfolio selection Markets with frictions Partial information Rational inattention Nonlinear filtering Information costs