

Chenxi Xu

CONTACT INFORMATION	The Fuqua School of Business Duke University 100 Fuqua Dr, Durham, NC 27708	Mobile: +1 (984) 244-8233 Email: chenxi.xu@duke.edu Website: chenxi-xu.github.io
EDUCATION	Duke University , Durham, NC <i>The Fuqua School of Business</i> Ph.D. (Expected May 2026) in Decision Sciences <ul style="list-style-type: none">• Advisor: Peng Sun	2020-Present
	Duke University , Durham, NC <i>Department of Economics</i> M.S. in Financial Economics	2018-2020
	Shanghai Jiao Tong University , Shanghai, China <i>Antai College of Economics and Management</i> B.S. in Economics	2014-2018
RESEARCH INTERESTS	Topics: Mechanism design and applications in innovation and healthcare management; Market design Methodology: Analytical modeling; Optimization	
WORKING PAPERS	<ol style="list-style-type: none">1. Optimal Push, Pull, and Failure Funding for Global Health, with David Ridley and Peng Sun, under Major Revision at <i>Management Science</i>2. Conditional and Lenient Drug Approvals, with Giuseppe Lopomo, David Ridley, and Peng Sun, under Major Revision at <i>Management Science</i>3. Beyond Truthful Reporting: Robust Strategies for Worst-Case Payoff Maximization in Large Markets, with Vinh Nguyen and Saša Pekeč, , under Major Revision at <i>Information Systems Research</i>4. Government Funding Allocation in Obesity Medicine R&D: Theory and Experiments, with Ziwei Zhu and Yushan Zhou	
WORK IN PROGRESS	Funding mechanisms for multi-stage innovation , with David Ridley and Peng Sun	
TEACHING EXPERIENCE	Duke University , Durham, NC Instructor <ul style="list-style-type: none">• EGRMGMT 580 <i>Decision Models</i> (Master of engineering management), 2024 Spring<ul style="list-style-type: none">– Evaluation: 4.67/5.0– Topics: decision tree, Monte Carlo Simulation, and linear optimization Teaching Assistant <ul style="list-style-type: none">• <i>Decision Models</i> (GEMBA, MMS, MQM, WEMBA), 2021-2025<ul style="list-style-type: none">– Organized review sessions; Graded assignments, team projects, and exams;– Responded to students' requests– Instructor(s): Peng Sun (2021-2024); Yehua Wei (2025)	

- *Dynamic Programming and Optimal Control* (PhD), 2023 Spring
 - Instructor: Peng Sun
- *Stochastic Models* (PhD), 2024 Fall
 - Instructor: Alessandro Arlotto

PROFESSIONAL SERVICES	Journal Referee: <i>Operations Research, Mathematics of Operations Research, Service Science</i> Organizing Committee Member – Fuqua's Interdisciplinary Seminar, 2021-2022
HONORS & AWARDS	Doctoral Fellowship, Duke University 2020-2025 Outstanding Graduate Award, Shanghai Jiao Tong University 2018 Chailease International Scholarship, Shanghai Jiao Tong University 2016
CONFERENCE PRESENTATIONS	INFORMS annual meeting 2023-2025 POMS annual meeting 2025
OTHER SKILLS	Programming: MATLAB, Mathematica Languages: Mandarin (native), English (fluent)
REFERENCES	<p>Peng Sun (Chair) J.B. Fuqua Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC psun@duke.edu</p> <p>Giuseppe Lopomo (Co-chair) Alan D. Schwartz Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC glopomo@duke.edu</p> <p>Saša Pekeč Peterjohn-Richards Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC pekec@duke.edu</p> <p>David Ridley Professor of the Practice of Business, Economics, and Public Policy and Dr. and Mrs. Frank A. Riddick, Jr. Research Fellow Fuqua School of Business, Duke University, Durham, NC david.ridley@duke.edu</p>