

Chenxi Xu

CONTACT INFORMATION

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Duke University
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EDUCATION

Duke University, Durham, NC
The Fuqua School of Business
Ph.D. (Expected May 2026) in Decision Sciences
• Advisor: Peng Sun

2020-Present

Duke University, Durham, NC
Department of Economics
M.S. in Financial Economics

2018-2020

Shanghai Jiao Tong University, Shanghai, China
Antai College of Economics and Management
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

1. **Optimal Push, Pull, and Failure Funding for Global Health**, with David Ridley and Peng Sun, under Major Revision at *Management Science*
2. **Conditional and Lenient Drug Approvals**, with Giuseppe Lopomo, David Ridley, and Peng Sun, under Major Revision at *Management Science*
3. **Beyond Truthful Reporting: Robust Strategies for Worst-Case Payoff Maximization in Large Markets**, with Vinh Nguyen and Saša Pekeč, conditionally accepted at *Information Systems Research*
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

- EGRMGMT 580 *Decision Models* (Master of engineering management), 2024 Spring
 - Evaluation: 4.67/5.0
 - Topics: decision tree, Monte Carlo Simulation, and linear optimization

Teaching Assistant

- *Decision Models* (GEMBA, MMS, MQM, WEMBA), 2021-2025
 - 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 Merit-Based Scholarship (\$20,000), Duke University 2018-2020 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	Peng Sun (Chair) J.B. Fuqua Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC psun@duke.edu
	Giuseppe Lopomo (Co-chair) Alan D. Schwartz Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC glopopomo@duke.edu
	Saša Pekeč Peterjohn-Richards Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC pekec@duke.edu
	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