

# Chenxi Xu

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## CONTACT INFORMATION

The Fuqua School of Business  
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## EDUCATION

**Duke University**, Durham, NC  
*The Fuqua School of Business* 2020-Present  
Ph.D. (Expected May 2026) in Decision Sciences  
• Advisor: Peng Sun

**Duke University**, Durham, NC  
*Department of Economics* 2018-2020  
M.S. in Financial Economics

**Shanghai Jiao Tong University**, Shanghai, China  
*Antai College of Economics and Management* 2014-2018  
B.S. in Economics

## 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, , under Major Revision 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 Outstanding Graduate Award, Shanghai Jiao Tong University Chailease International Scholarship, Shanghai Jiao Tong University	2020-2025 2018 2016
CONFERENCE PRESENTATIONS	INFORMS annual meeting POMS annual meeting	2023-2025 2025
OTHER SKILLS	<b>Programming:</b> MATLAB, Mathematica <b>Languages:</b> Mandarin (native), English (fluent)	
REFERENCES	<p><b>Peng Sun (Chair)</b> J.B. Fuqua Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC psun@duke.edu</p> <p><b>Giuseppe Lopomo (Co-chair)</b> Alan D. Schwartz Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC glopomo@duke.edu</p> <p><b>Saša Pekeč</b> Peterjohn-Richards Distinguished Professor of Business Administration Fuqua School of Business, Duke University, Durham, NC pekec@duke.edu</p> <p><b>David Ridley</b> 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>	