

# 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  
• Advisors: Peng Sun and Giuseppe Lopomo

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

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

## RESEARCH INTERESTS

**Topics:** Mechanism design and applications in healthcare management; Market design

**Methodology:** Economic 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 review 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, to be submitted to *M&SOM* (draft available upon request)

## 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

	<ul style="list-style-type: none"> <li>– Instructor(s): Peng Sun (2021-2024); Yehua Wei (2025)</li> <li>• <i>Dynamic Programming and Optimal Control</i> (PhD), 2023 Spring <ul style="list-style-type: none"> <li>– Instructor: Peng Sun</li> </ul> </li> <li>• <i>Stochastic Models</i> (PhD), 2024 Fall <ul style="list-style-type: none"> <li>– Instructor: Alessandro Arlotto</li> </ul> </li> </ul>	
PROFESSIONAL SERVICES	<p>Journal Referee: <i>Operations Research, Mathematics of Operations Research, Service Science</i></p> <p>Organizing Committee Member</p> <ul style="list-style-type: none"> <li>– Fuqua’s Interdisciplinary Seminar, 2021-2022</li> </ul>	
HONORS & AWARDS	<p>Doctoral Fellowship, Duke University</p> <p>Outstanding Graduate Award, Shanghai Jiao Tong University</p> <p>Chailease International Scholarship, Shanghai Jiao Tong University</p>	<p>2020-2025</p> <p>2018</p> <p>2016</p>
CONFERENCE PRESENTATIONS	<p>INFORMS annual meeting</p> <p>POMS annual meeting</p>	<p>2023-2025</p> <p>2025</p>
OTHER SKILLS	<p><b>Programming:</b> MATLAB, Mathematica</p> <p><b>Languages:</b> Mandarin (native), English (fluent)</p>	
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 Practice  Fuqua School of Business, Duke University, Durham, NC  david.ridley@duke.edu</p>	