

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: www.chenxi-xu.github.io

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, 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

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| | <ul style="list-style-type: none"> – Instructor(s): Peng Sun (2021-2024); Yehua Wei (2025) • <i>Dynamic Programming and Optimal Control</i> (PhD), 2023 Spring <ul style="list-style-type: none"> – Instructor: Peng Sun • <i>Stochastic Models</i> (PhD), 2024 Fall <ul style="list-style-type: none"> – Instructor: Alessandro Arlotto | |
| 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"> – Fuqua’s Interdisciplinary Seminar, 2021-2022 | |
| 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>Programming: MATLAB, Mathematica</p> <p>Languages: Mandarin (native), English (fluent)</p> | |
| 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 Practice Fuqua School of Business, Duke University, Durham, NC david.ridley@duke.edu</p> | |