

Chenxi Xu

CONTACT INFORMATION

The Fuqua School of Business
Duke University
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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

PUBLICATIONS

1. [Beyond Truthful Reporting: Robust Strategies for Worst-Case Payoff Maximization in Large Markets](#), with Saša Pekeč, forthcoming at *Information Systems Research*

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. [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

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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>Merit-Based Scholarship (\$20,000), 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>2018-2020</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 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> | |