

Chenxi Xu

CONTACT INFORMATION	Mitch Daniels School of Business Purdue University 403 Mitch Daniels Blvd, West Lafayette, IN 47907	Mobile: +1 (984) 244-8233 Email: xu2301@purdue.edu Website: chenxi-xu.github.io
ACADEMIC APPOINTMENT	Purdue University , West Lafayette, IN <i>Supply Chain and Operations Management Department, Mitch Daniels School of Business</i> Assistant Professor	Jun. 2026 - present
EDUCATION	Duke University , Durham, NC <i>The Fuqua School of Business</i> Ph.D. in Business Administration (Decision Sciences) <ul style="list-style-type: none">• Dissertation: "Managing Incentives in Drug Development"• Advisor: Peng Sun	Aug. 2020 - May 2026
	Duke University , Durham, NC <i>Department of Economics</i> M.S. in Financial Economics	Aug. 2018 - May 2020
	Shanghai Jiao Tong University , Shanghai, China <i>Antai College of Economics and Management</i> B.S. in Economics	Sept. 2014 - Jun. 2018
RESEARCH INTERESTS	Topics: Mechanism design and applications in innovation and healthcare management; Market design Methodology: Analytical modeling; Optimization	
PUBLICATIONS	<ol style="list-style-type: none">1. Beyond Truthful Reporting: Robust Strategies for Worst-Case Payoff Maximization in Large Markets, with Saša Pekeč, Forthcoming at <i>Information Systems Research</i>2. Conditional and Lenient Drug Approvals, with Giuseppe Lopomo, David Ridley, and Peng Sun, Accepted at <i>Management Science</i>	
WORKING PAPERS	<ol style="list-style-type: none">1. Optimal Push, Pull, and Failure Funding for Global Health, with David Ridley and Peng Sun2. 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 <ul style="list-style-type: none">• EGRMGMT 580 <i>Decision Models</i> (Master of engineering management), 2024 Spring<ul style="list-style-type: none">– Evaluation: 4.67/5.0– Topics: decision tree, Monte Carlo Simulation, and linear optimization	

Teaching Assistant

- *Decision Models* (GEMBA, MMS, MQM, WEMBA), 2021-2025
- *Dynamic Programming and Optimal Control* (PhD), 2023 Spring
- *Stochastic Models* (PhD), 2024 Fall

PROFESSIONAL SERVICES

Journal Referee: *Operations Research, Mathematics of Operations Research, Service Science*

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

Conditional and Lenient Drug Approvals

- INFORMS Healthcare Conference, Raleigh, NC (scheduled) 2026
- INFORMS Annual Meeting, Seattle, WA 2024
- INFORMS Annual Meeting, Phoenix, AZ 2023

Optimal Push, Pull, and Failure Funding for Global Health

- INFORMS Healthcare Conference, Raleigh, NC (scheduled) 2026
- Kellogg Operations Rookiepaloosa, Evanston, IL 2026
- INFORMS Annual Meeting, Atlanta, GA 2025
- POMS Annual Conference, Atlanta, GA 2025
- INFORMS Annual Meeting, Seattle, WA 2024

OTHER SKILLS

Programming: MATLAB, Mathematica**Languages:** Mandarin (native), English (fluent)