# Qu, Yuan

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| **RESEARCH INTERESTS** | Revenue Management, Inventory Control, Game-theoretic Applications, Data-driven Modeling, Reinforcement Learning, Business Intelligence, Combinatorial Optimization, Transportation Engineering |

**ACADEMIC POSITION**

**The University of Hong Kong,**
**Department of Industrial and Manufacturing Systems Engineering**

Post-doctoral Fellow     09/2023 - present
Adviser: Max Z.J. Shen

**Rutgers University, Rutgers Business School**

Non-tenure-track Instructor     09/2021 - 12/2022
Part-time Lecturer     09/2019 - 05/2021

**EDUCATION**

**Rutgers University, Rutgers Business School**     01/2017 - 05/2023

**Ph.D.** in Management (Concentration on Operations Research)
Dissertation: *Understanding Opaque Selling from an Inventory-management Perspective*
Advisor: Jian Yang
Committee: Andrzej Ruszczynski, Endre Boros, Thomas Lidbetter, Ming Hu

**M.S.** in Information Technology and Analytics

**Univ. of Electronic Science and Technology of China**     09/2013 - 06/2017

**B.S.** in Electronic Engineering, School of Info. and Comm. Engineering

**B.Mgt.** in Management Administration, School of Management and Economics

**PUBLICATION**

**How Many Are Too Many? Analyzing Dockless Bikesharing Systems with a Parsimonious Model**

Hongyu Zheng, Kenan Zhang, Macro Nie, Pengyu Yan, **Yuan Qu**
Transportation Science, *Available Online.*

**WORK IN PROGRESS**

**Opaque Selling to Strategic Buyers**
**Yuan Qu**, Jian Yang

**Inventory Control involving Opaque Selling.**
**Yuan Qu**, Jian Yang

**Building Resilience During Crises: A Big Data Empowered Reinforcement Learning Approach for Airline Insurance**
Jingjing Li, **Yuan Qu**, Jingyuan Yang *(author names in alphabetical order)*,
Information Systems Research, *R&R, To be resubmitted.*

**Matching-while-learning Algorithm for Dynamic Matching Problem of Cloud Manufacturing Platforms with Incomplete Information**
Pengyu Yan, Liu Yang, **Yuan Qu**

**Diminishing Returns to Social Capitalist Firms and Their Employee Advocates: Evidence from WeChat**

Chaitanya Kaligotla, Sarah Wittman, Jingyuan Yang, **Yuan Qu**, Wei Zeng.

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| **TEACHING EXPERIENCE** | **Rutgers Business School** |

*Part-time Lecturer & 50%-Instructor*
- Product and Operations Management (Undergraduate), 29:623:311
  Fall 2022
- Management Information Systems (Undergraduate), 33:136:370
  Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022
- Business Data Management (Graduate), 26:198:603
  Fall 2019
- Statistical Methods for Business (Undergraduate), 33:136:375
  Fall 2019

*Teaching Assistant*
- Business Data Management (Graduate), 22:544:603 & 22:198:603
  Spring 2019

**PRESENTATIONS**

- Inventory Control Involving Opaque Selling

  INFORMS Annual Meeting, Phoenix, AZ, 2023

  14th POMS-HK International Conference, Hong Kong, 2024

- Understanding Opaque Selling from an Inventory-control Perspective

  Invited Research Seminar, UESTC, Chengdu, China, 2023

  Northeast Decision Sciences Institute Annual Conference, Washington, DC, 2023

  INFORMS Annual Meeting, Indianapolis, IN, 2022

  Invited Research Seminar, Stony Brook University, Virtual, 2020

- Drivers for Personal Social Marketing Effectiveness: A Joint View Of Content And Diffusion

  INFORMS Annual Meeting, Virtual, 2020

  Invited Research Seminar, UESTC, Chengdu, China, 2020

  Rutgers-NJIT Business School Joint Ph.D. Seminar, Newark, NJ, 2019

  INFORMS Annual Meeting, Seattle, WA, November 2019

**ACADEMIC SERVICES**

**Ad hoc Reviewer for**

Operations Research Letters

Americas Conference on Information Systems (AMCIS) 2023

INFORMS Workshop on Data Science (DS 2022)

Pacific Asia Conference on Information Systems (PACIS 2022)

ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD)

International Conf. on Knowledge Science, Engineering and Management (KSEM)

| **HONORS &** | • Dean's Dissertation Fellowship, *Rutgers Graduate School-Newark* | 2022 |
| **REWARDS** | |

- Dean's Dissertation Fellowship, *Rutgers Graduate School-Newark*   2022
- Dean's Competition for Summer Ph.D. Research Assistants, *Rutgers Business School*   2022
- Dean's Competition for Summer Ph.D. Research Assistants, *Rutgers Business School*   2021
- Dean's Office Summer Scholarships, *Rutgers Business School*   2020
- Graduate School-Newark Scholarship, *Rutgers University*   2020
- University Merit Graduate Scholars Award, *Rutgers University*   2019
- China National College Student Information Security Contest, Bronze Award 2016
- The People's Scholarship in China, *UESTC*   2016
- China National College Student Entrepreneurship Contest, Bronze Award   2016
- China National College Student Information Security Contest, Bronze Award 2015
- The Western Star of Innovation and Entrepreneurship, 4th place, Bronze Award 2015
- The Second Level Athletic in China, Weiqi (Go)   2012

**INDUSTRIAL EXPERIENCE**

**FineTool**, Chengdu, China
*Data & IT Adviser*   08/2023 - present

**Allianz Partners**, Richmond, VA
*Seasonal Data Scientist*   05/2021 - 08/2021

**Chengdu Value-fan Information Service**, Chengdu, China
*Co-founder*   01/2016 - 07/2017