

Yuan Qu

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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: <i>Understanding Opaque Selling from an Inventory-management Perspective</i> Adviser: Jian Yang Committee: Andrzej Ruszczyński, 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, 58(1):152-175, 2023.
WORK IN PROGRESS	Opaque Selling to Strategic Buyers Yuan Qu , Jian Yang <i>Under Review.</i> 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 (<i>author names in alphabetical order</i>), Information Systems Research, <i>R&R</i> , <i>To be resubmitted.</i> Matching-while-learning Algorithm for Dynamic Matching Problem of Cloud Manufacturing Platforms with Incomplete Information

Pengyu Yan, Liu Yang, **Yuan Qu**

Diminishing Social Capital Returns from Employee Ambassadorship: Evidence from WeChat

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

**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

**PRESENTA-
TIONS**

- Inventory Control Involving Opaque Selling
14th POMS-HK International Conference, Hong Kong, 2024
INFORMS Annual Meeting, Phoenix, AZ, 2023
- 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**

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 & 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