

Quan Zhou

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<https://qzhou-2020.github.io/>

ACADEMIC APPOINTMENT

National University of Singapore (NUS) , Singapore Assistant Professor Department of Industrial Systems Engineering and Management College of Design and Engineering	June 2026
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EDUCATION

McGill University , Canada Ph.D. in Operations Management	2026
Memorial University of Newfoundland , Canada M.Eng, Ocean Engineering	2014
Shanghai Jiao Tong University , China B.Eng, Ocean Engineering	2011

RESEARCH INTERESTS

Context: Supply Chain Management, Retail Management, Revenue Management, Consumer Behavior Models in Operations Management.

Methodology: Stochastic Optimization, Dynamic Programming, Approximation Algorithm, Machine Learning, Econometrics.

PUBLICATION

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- 1) **Zhou, Q.**, Gumus, M., Miao, S., “E-commerce order fulfillment problem with limited time window.” (2025) *Operations Research* 73(6):2914-2932.

WORKING PAPERS

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- 2) **Zhou, Q.**, Gumus, M., Miao, S., “Beyond once-size-fits-all: Personalized delivery and fulfillment optimization.” (2025) Major revision at *Operations Research*.
 - 3) **Zhou, Q.**, Jin, Q., Animesh, A., Gumus, M., “Threshold Economics: Unintended Revenue Consequences of Free-Shipping Policy Adjustments.” (2026) Major revision at **M&SOM**.
 - 4) Liang, A., Miao, S., Xu, Y., **Zhou, Q.**, “Right State, Right Time: Dynamic Seed-Fund Allocation with State-Dependent Donor Response in Healthcare Crowdfunding,” (2026) Under Review.
 - Authors are alphabetically ordered.

- 5) “Trip Radar: a Controlled Decentralized System to Enhance Matchmaking in Ride-Sharing,”
with Hongfan (Kevin) Chen, Anran Li, Zhe Liu.
- Accepted for presentation at MSOM 2025, INFORMS RMP 2025

TEACHING EXPERIENCE

Instructor (McGill)

- Operations Management (Undergraduate) Summer 2024
Evaluation: (4.6 / 5.0)

Teaching Assistant (McGill)

- Decision Analytics and Modeling for Operations (Master) Winter 2023
- Operations Management (Undergraduate, Master, MBA) Fall 2022 – Fall 2023
- Management Statistics (MBA) Fall 2023
- Data Decision and Models (Master) Summer 2023

HONORS & AWARDS

Teaching Excellence Award	2025
SSHRC Doctoral Fellowship (federal competition, 28% success rate)	2024 – 2025
FRQSC Doctoral Research Scholarships (provincial competition, 25% success rate)	2021 – 2025
Canada First Research Excellence Fund (CFREF)	2021, 2022
Rythlyn Foundation Fellowship in Management	2021
MSRC PhD Performance Award	2021
CIBC Fellowship – Faculty of Management	2020
Grad Excellence Award in Management	2020
McGill PhD Program Award	2020 – 2025
Memorial University of Newfoundland Graduate Scholarship	2011, 2012
Shanghai Jiao Tong University Best Thesis Award	2011

CONFERENCE PRESENTATIONS

CORS Annual Conference, Kingston, Canada	Jun 2026
POMS-HK International Conference, Shenzhen, China	Jan 2026
INFORMS Annual Meeting, Atlanta, USA	Oct 2025
Analytics for X 2025	Sep 2025
3 rd Purdue Operations Conference	Aug 2025
INFORMS RMP Conference, New York, USA	Jul 2025
MSOM Annual Meeting, London, UK	Jun 2025
CORS Annual Conference, Edmonton, Canada	Jun 2025
POMS-HK International Conference, Hong Kong	Jan 2025
INFORMS Annual Meeting, Seattle, USA	Oct 2024
INFORMS RMP Conference, Los Angeles, USA	Jul 2024
MSOM Annual Meeting, Minneapolis, USA	Jun 2024
INFORMS Annual Meeting, Phoenix, USA	Oct 2023
MSOM Annual Meeting, Montreal, Canada	Jun 2023
INFORMS Annual Meeting, Indianapolis, USA	Oct 2022

SERVICE

Ad-hoc reviewer for Product and Operations Management, Manufacturing & Service Operations Management.

OTHER PUBLICATIONS

- 1) Liu, M., **Zhou, Q.**, Wang, X., Yu, C., Kang, M., “Voyage Performance Evaluation Based On a Digital Twin Model.” In *IOP Conference Series: Materials Science and Engineering*, vol. 929, no. 1, p. 012027. IOP Publishing, 2020.
- 2) Yang, R., Xu, J., Wang, X., **Zhou, Q.**, “Parallel Trajectory Planning for Shipborne Autonomous Collision Avoidance System.” *Applied Ocean Research* 91(2019): 101875.
- 3) **Zhou, Q.**, Peng, H., Qiu, W., “Numerical Investigation of Ship-Ice Interaction and Maneuvering Performance in Level Ice.” *Cold Region Science and Technology*, 122:36-49, 2016.
- 4) **Zhou, Q.**, Liu, M., Peng, H., Qiu, W., “Experimental Studies of Hydrodynamic Interaction of Two Bodies in Waves.” In *ASME 2015 34th International Conference on Ocean, Offshore and Arctic Engineering*. American Society of Mechanical Engineers Digital Collection, 2015.
- 5) **Zhou, Q.** and Peng, H., “Numerical Simulation of a Dynamically Controlled Ship in Level Ice.” *International Journal of Offshore and Polar Engineering*, 24(03):184-191, 2014.
- 6) Yang, R., Shen, L., **Zhou, Q.**, “Research on Active Anti-Rolling Methods Using Moving Mass System.” In *Mechanical Engineering and Technology*, pp. 175-181. Springer, 2012.

NONACADEMIC EXPERIENCE

Seastel Marine System (Canada) Inc., Canada <i>Co-founder</i>	May 2017 – Aug 2020
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Memorial University of Newfoundland, Canada <i>Research and Project Engineer</i>	Feb 2014 – May 2017
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American Bureau of Shipping, USA <i>Intern, Harsh Environment Group</i>	Feb – Jun 2013
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ADDITIONAL SKILLS

Software skills: Python, C/C++, Qt, Matlab, SQL, Linux

Languages: English (fluent), Chinese (native), Japanese (elementary)

PROFESSIONAL AFFILIATIONS

Institute for Operations Research and the Management Science (INFORMS)