

# RAN ZHUO

## Contact

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University of Michigan Ross School of Business  
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Ann Arbor, MI 48109

## Personal Information

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Nationality: Chinese  
Gender: female

## Employment

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### University of Michigan, Ross School of Business

Assistant Professor of Technology and Operations  
Postdoctoral Research Fellow

2024 –  
2023 – 2024

## Professional Activities

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Invited Researcher, J-PAL Science for Progress Initiative (SfPI)

2023 –

## Education

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### Harvard University

2017 – 2023

Ph.D. in Business Economics

Thesis title: “Three Essays on Economics of Innovation, Technology, and Policy”

Committee: Shane Greenstein, Myrto Kalouptsi, Robin Lee, Ariel Pakes, Elie Tamer

### Harvard University

2017 – 2020

M.A., Business Economics

### Dartmouth College

2013 – 2017

B.A., Economics and Mathematics, summa cum laude, class valedictorian

## Teaching Experience

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|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Winter 2024 | TO 899: Doctoral Seminar in Technology and Operations (graduate), Michigan Ross, instructor for two sessions on innovation            |
| Fall 2021   | ECON 1126: Quantitative Methods in Economics (advanced undergraduate), Harvard University, teaching fellow for Professor Elie Tamer   |
| Spring 2021 | ECON 1123: Introduction to Econometrics (introductory undergraduate), Harvard University, teaching fellow for Professor Gregory Bruch |
| Fall 2019   | Econ 2120: Principles of Econometrics (first-year graduate), Harvard University, course tutor for Professor Elie Tamer                |

## Honors, Scholarships, and Fellowships

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| 2023        | INFORMS TIMES Best Dissertation Award Finalist |
| 2021        | Harvard Certificate of Distinction in Teaching |
| 2017 – 2023 | Harvard Graduate Student Fellowship            |

## Presentations

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- 2024 AOM “New Frontiers in Open Source” PDW  
MSOM TIE SIG  
POMS Annual Meeting
- 2023 Berkeley-Haas Entrepreneurship and Innovation Seminar  
WashU Olin Business School (PhD class guest speaker)  
Duke Fuqua Junior Strategy Conference  
INFORMS Annual Meeting  
Dartmouth IO Conference  
Benefits and Challenges of Open Source, New York University (panelist)  
Zhejiang University, School of Economics (virtual)  
Economics Research Seminar at Instacart (virtual)  
NBER Summer Institute Science of Science Funding  
IIOC rising star session
- 2022 MIT Junior Researcher Series Talk  
Innovation & Entrepreneurship Seminar, Max Planck Institute (virtual)  
NBER Productivity Seminar (virtual)  
EARIE 2022, University of Vienna
- 2021 TPRC48 main conference, American University (virtual)
- 2020 Workshop on Internet Economics, CAIDA, UCSD (virtual)  
WICK#8, Collegio Carlo Alberto, Turin, Italy (virtual)  
IIOC regular session, Drexel University (canceled due to COVID-19)
- 2018 Berkeley Initiative for Transparency in the Social Sciences, UC Berkeley

## Manuscript Reviewing

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Journals: *Computers, Materials and Continua*, *Economic Inquiry*, *International Journal of Industrial Organization*, *International Journal of Research in Marketing*, *Management Science*, *Manufacturing & Service Operations Management*, *Operations Research*, *Telecommunications Policy*

Conferences: DRUID23, MSOM 2023 (TIE SIG), AOM 2024 (CTO and TIM Divisions)

Others: Judge for 2024 INFORMS TIMES Best Working Paper Award

## Journal Publications

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- “Hidden Software and Veiled Value Creation: Illustrations from Server Software Usage” (with Raviv Murciano-Goroff and Shane Greenstein). 2021. *Research Policy* 50 (9): 104333.
- “The Impact of the General Data Protection Regulation on Internet Interconnection” (with Bradley Huffaker, kc claffy, and Shane Greenstein). 2021. *Telecommunications Policy* 45 (2): 102083.
- “Do Low-Price Guarantees Guarantee Low Prices? Evidence from Competition between Amazon and Big-Box Stores.” 2017. *Journal of Industrial Economics* 65 (4): 719–738.

## Working Papers

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- “Exploit or Explore? An Empirical Study of Resource Allocation in Research Labs.” December 2023. Reject and resubmit, *Management Science*.
- “Examining Selection Pressures in the Publication Process Through the Lens of Sniff Tests” (with Christopher Snyder). October 2023. Accepted, *Review of Economics and Statistics*.

“Navigating Software Vulnerabilities: Eighteen Years of Evidence from Medium and Large U.S. Organizations” (with Raviv Murciano-Goroff and Shane Greenstein). June 2024. Resubmitted, *Management Science*.

### **Research in Progress**

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“Technology Upgrades, Demand Fluctuations, and Supply Coordination in Semiconductor Manufacturing Industry” (with Audrey Tiew).

“The Effect of U.S.-China Decoupling on Investment in High-Tech Manufacturing” (with Audrey Tiew).

### **Non-Academic Publications**

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“GDPR and Internet Interconnection” (with Bradley Huffaker, kc claffy, and Shane Greenstein). *Vox*, March 1, 2020. <https://voxeu.org/article/gdpr-and-internet-interconnection>.

“Ghost in the Shell.” 2015. Hanover: Dartmouth College Library Collection; Dunedin: University of Otago, Special Collections. Letterpress print.

John’s Adventure in Englishland. 2012. Hangzhou: Zhejiang Youth and Children’s Publishing House.