

DANIEL N. YUE

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ACADEMIC APPOINTMENTS

Georgia Institute of Technology, Scheller College of Business **2024-present**

Assistant Professor (Tenure Track)

Information Technology Management Area

EDUCATION

Harvard Business School **2019-2024**

Ph.D. in Business Administration

Technology & Operations Management Unit (Innovation Track)

Dissertation: Essays on Open Science and Open Source in Firm Innovation

Committee: Shane Greenstein (Chair), Karim Lakhani, and Frank Nagle

Harvard College **2012-2016**

A.B. in Physics (*magna cum laude* with Highest Honors)

Secondary Field: Computer Science

RESEARCH

Conference and Working Papers

1. Igniting Innovation: Evidence from PyTorch on Competitive Dynamics in Technology Governance (first author, with Frank Nagle). Available upon request.
2. I, Google: Estimating the Impact of Corporate Involvement on AI Research (solo-authored). In preparation for submission to *Management Science*, available upon request.
3. Nailing Prediction: Experimental Evidence on the Impact of Tools in Predictive Model Development (first author, with Paul Hamilton and Iavor Bojinov). *R&R at Management Science*.
4. How Open Source Machine Learning Software Shapes AI (equal contributions, with Max Langenkamp). *Artificial Intelligence, Ethics, and Society (AIES)*, 2022.

Teaching Cases

1. Hugging Face: Serving AI on a Platform (with Shane Greenstein, Kerry Herman, and Sarah Gulick) Harvard Business School Case 623-026, 2022
2. Open Source Machine Learning at Google (with Shane Greenstein, Martin Wattenberg, Fernanda Viégas, and James Barnett) Harvard Business School Case 624-015, 2023

Research in Biophysics

1. Detecting Stoichiometry of Macromolecular Complexes in Live Cells Using FRET (with Manu Ben-Johny and David Yue) *Nature Communications*, 2016

2. A Novel FRET-Based Assay Reveals 1:1 Stoichiometry of Apocalmodulin Binding Across Voltage-Gated Ca and Na Ion Channels (with Manu Ben-Johny and David Yue) *Biophysical Journal*, 2012

INVITED PRESENTATIONS AND WORKSHOPS

Igniting Innovation: Evidence from PyTorch on Competitive Dynamics in Technology Governance

- 2024 — D3 Research Day (Boston), OUI (Boston), SMS (Istanbul)

I, Google: Estimating the Impact of Corporate Involvement on AI Research

- 2024 — WOEPS (Turin), NBER SI — Science of Science Funding (Boston)
- 2023 — DRUID (Lisbon), ZEW ICT (Mannheim), SMS (Toronto), NBER Productivity Seminar (Boston), Fordham Gabelli Strategy (New York), BC Carroll Business Analytics (Boston), USC Marshall DSops and M&O (Los Angeles), REER (Atlanta), Michigan Ross Strategy (Ann Arbor), Georgia Tech ITM (Atlanta), WUSTL Olin Strategy (St. Louis), Vanderbilt Owen Strategy & Economics (Nashville), Toronto Rotman Strategy (Toronto)

Nailing Prediction: Experimental Evidence on the Impact of Tools in Predictive Model Development

- 2023 — Conference on Field Experiments in Strategy (Boston)
- 2022 — INFORMS (Indianapolis)

How Open Source Machine Learning Software Shapes AI

- 2022 — AIES Conference (Oxford)

Invited Tutorials, Consortia, and Colloquium

- 2024 — ACM CI Doctoral Colloquium (Boston)
- 2023 — NBER Digitization PhD Workshop (San Francisco), AOM TIM Doctoral Consortium (Boston)
- 2022 — NBER Digitization PhD Workshop (Washington DC)
- 2021 — NBER Entrepreneurship Research Bootcamp (Virtual due to Covid-19)

TEACHING

Experience

- 2022 Teaching Assistant for Professor Michael Luca, *Data-Driven Leadership* (HBS 2231)
- 2013 Teaching Assistant for Professor Peter Garfield, *Multivariable Calculus* (Harvard Math 21a)

Teaching Interests: Core Strategy, Technology & Innovation Management, Data Science Management

PROFESSIONAL SERVICE

Referree / Discussant Experience

- Ad-hoc Reviewer for *Management Science*, *Organization Science*, *Journal of Economics and Management Strategy*, *Technology, Mind, and Behavior*
- “Best Reviewer Award” for *Academy of Management* Annual Meeting (2024)

- Discussant: ZEW ICT (2023)

Institutional Service

- 2023 Student Advisory Board for the Harvard Presidential Search Committee

EMPLOYMENT

Mastercard, Product Manager (2016-2019)

Laboratory for Nanoscale Optics at Harvard University, Research Assistant (2014)

Calcium Signals Laboratory at Johns Hopkins University, Research Assistant (2012-2013)