

Hong-Yi TuYe

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<https://hytuye.xyz/>

EDUCATION

Ph.D. Candidate

Massachusetts Institute of Technology

Cambridge, MA

Aug. 2019 – Present

- Fields: Information Systems and Economics, MIT Sloan
- Advisors: Erik Brynjolfsson, John Horton
- Research Interests: Labor Economics · Economics of Artificial Intelligence and Machine Learning · Observational and Experimental Causal Inference
- Graduate Coursework: Core PhD Micro and Econometrics Sequences, Industrial Organization (Theory and Empirical), Non-linear/Structural Econometrics, Advanced Natural Language Processing, Observational Causal Inference, Experimental Design and Causal Inference, High Dimensional Causal Inference (Causal ML)

MSc. in Computational Statistics and Machine Learning, Distinction

University College London

London, UK

Sep. 2016 – Sep. 2017

- Relevant Coursework: Supervised Learning, Graphical Models, Applied Machine Learning, Intro to Deep and Reinforcement Learning, Numerical Optimization, and Applied Bayesian Statistics.

B.A. in Economics, Cum Laude

Columbia College, Columbia University

New York, NY

Sep. 2011 – May 2015

RESEARCH

- COVID-19 and remote work: An early look at US data (with Erik Brynjolfsson, John J. Horton, Adam Ozimek, Daniel Rock, and Garima Sharma). *No. w27344. National Bureau of Economic Research, 2020.*
- How Many Americans Work Remotely? Identifying Measurement Challenges in Remote Work Surveys (with Erik Brynjolfsson, John J. Horton, Christos A. Makridis, Alex Mas, Adam Ozimek, Daniel Rock). *Forthcoming at Review of Income and Wealth.*
- Early Experimental Evidence on the Behavioral Dynamics of Prompt Engineering (with Eaman Jahani, Joe Zhang, Mohammed Alsobay, Benjamin S. Manning, Christos Nicolaidis, Siddharth Suri, and David Holtz). *R&R at Information Systems Review*
- Rethinking Blitzscaling: Scaling Startups in the Age of AI (*JMP*) (with Daniel Rock and Danny Kim).
- Augmenting Meta-Experimentation with Artificial Intelligence.

PROFESSIONAL EXPERIENCE

Data Science Research Intern

Carta, Inc.

Jun. 2022 – Dec. 2022

New York, NY

Analyst

Cornerstone Research

Aug. 2015 – Jul. 2016

New York, NY

RESEARCH EXPERIENCE

Pre-Doctoral Fellow

Stanford Institute for Economic Policy Research

Jul. 2017 – Jul. 2019

Stanford, CA

- Provided research assistance to joint project by David Chan and Maria Polyakova.
- Research project: empirical investigation of Medicare quantitative regulation and its effects on physician behavior.

**TEACHING
EXPERIENCE**

Teaching Assistant
Massachusetts Institute of Technology

Sep. 2021 – Present
Cambridge, MA

- Fall 2021: TA for Analytics Lab
- Fall 2022: Head TA for Analytics Lab
- Fall 2023: TA for Pricing Strategy
- Fall 2024: Head TA for Analytics Lab
- Spring 2024: TA for Product Analytics and Experimentation

**SKILLS AND
OTHER**

CS Competencies: Python, R, STATA, $\LaTeX$, Linux.
Foreign Languages: English (Native), Spanish (Native), Mandarin Chinese (Native), French (Elementary).