Jack Collison

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ACADEMIC POSITIONS	2026 -	Postdoctoral Fellow (incoming)	Stanford University

EDUCATION	2021 - 2026	Ph.D. in Economics	UW-Madison
		Dissertation: Essays in Industrial Organization	
		Committee: Panle Jia Barwick (chair), JF Houde, Alan Sorensen,	
		Lorenzo Magnofli, and Christopher Sullivan	
	2021 - 2023	M.S. in Economics	UW-Madison
	2019 - 2021	M.S. in Statistics	Stanford University
	2016 - 2020	B.A. in Economics with Honors	Stanford University

RESEARCH FIELDS   Industrial organization, energy economics, applied microeconomics, econometrics

RESEARCH ASSISTANCE	2024 -	Research Assistant for Panle Jia Barwick	UW-Madison
	2023 - 2024	Research Assistant for Lorenzo Magnolfi and Christopher Sullivan	UW-Madison
	2022 - 2023	Research Assistant for Ashley Swanson	UW-Madison
	2020 - 2021	Research Assistant for Karen Eggleston	Stanford University
	2017 - 2019	Research Assistant for Liran Einav and Pete Klenow	Stanford University

PROFESSIONAL EXPERIENCE	2021 -	Advisor	Propaga
	2019 - 2022	Research Analyst Intern	Ellington Management Group
	2020	Quantitative Research Intern	QuantCo
	2017	Research Intern	NASA Frontier Development Lab

PUBLICATIONS

"The Impact of Online Food Delivery Services on Restaurant Sales," *Stanford University Undergraduate Theses*, 2020.

"A survey of southern hemisphere meteor showers," with Jenniskens, et al. *Journal of Planetary and Space Science*, 154, May 2018, 21-29

WORKING PAPERS

"Market Counterfactuals with Nonparametric Supply: An ML/AI Approach," with Harold Chiang, Lorenzo Magnolfi, and Christopher Sullivan
Extended abstract appeared at the ACM Conference on Economics and Computation as "Enhancing the Merger Simulation Toolkit with ML/AI"

"The Welfare Effects of Passenger Transportation Infrastructure: Evidence from China's High-Speed Rail Network," with Panle Jia Barwick, Dave Donaldson, Shanjun Li, and Yatang Lin

"The Impact of Ride-Sharing Taxes: Evidence from Chicago"

"Missed INR tests and reduced healthcare during early COVID-19 are linked to adverse outcomes in at-risk warfarin-treated atrial fibrillation patients", with Karen Eggleston, Richard Liang, Ada Zhang, and Andrew Chang

WORKS IN PROGRESS   "Inventories and Merger (In)efficiencies In the Petroleum Industry"

"Energy Transition under Protectionism: Evidence from the Global Electric Vehicle Industry," with Panle Jia Barwick, Shanjun Li, and Yucheng Wang

"Approximations of High-Dimensional Markov Perfect Equilibrium in Dynamic Oligopoly"

"Baseload Production and Electricity Price Variation," with John Higgins

CONFERENCES		
	2026	North American Meeting of the Econometric Society[‡]
	2025	ACM Conference on Economics and Computation[*]
		International Industrial Organization Conference[*†‡]
	2024	Midwest IO Fest[‡]
		Econometric Society Summer School in Dynamic Structural Econometrics
		Econometric Society Conference on Dynamic Structural Econometrics
	2023	NBER Economics of Digitization and Artificial Intelligence Tutorial
		NBER Economics of Digitization and Artificial Intelligence Conference
		American Society of Health Economists Conference[†]
	2022	American Society of Health Economists Conference[*]

* = presenter, †= discussant, ‡= presented by coauthor

CONFERENCE PROCEEDINGS

Chiang, et al. Enhancing the Merger Simulation Toolkit with ML/AI, *Proceedings of the ACM Conference on Economics and Computation*, July 2025

De Cicco, et al. Artificial Intelligence Techniques applied to Automating Meteor Validation and Trajectory Quality Control to Direct the Search for Long Period Comets, *Proceedings of the International Meteor Conference*, September 2017

Zoghbi et al. Searching for Long-Period Comets with Deep Learning Tools, *Neural Information Processing Systems: Deep Learning for Physical Sciences*, December 2017

AWARDS			
	2026	Graduate School Fellowship	UW-Madison
	2025	Department of Economics Travel Scholarship	UW-Madison
		Graduate School Student Research Grant	UW-Madison
	2024	Culbertson Field Paper Scholarship	UW-Madison
		Juli Plant Grainger Summer Research Fellowship	UW-Madison
	2023	Juli Plant Grainger Summer Research Fellowship	UW-Madison
		Distinguished Teaching Assistant	UW-Madison
		Department of Economics Travel Scholarship	UW-Madison
	2022	Department of Economics Travel Scholarship	UW-Madison
	2021	Graduate School Fellowship	UW-Madison
	2020	Anna Laura Meyers Prize for Outstanding Honors Thesis	Stanford University
		Economics Departmental Honors	Stanford University
	2018	Economics Summer Research Grant	Stanford University

TEACHING EXPERIENCE			
	2026	ECON 717, Applied Econometrics (Ph.D.)[†]	UW-Madison
	2025	ECON 717, Applied Econometrics (Ph.D.)[†]	UW-Madison
	2024	ECON 899, Topics in Computational Economics (Ph.D.)[†]	UW-Madison
	2023	ECON 570, Data Analytics for Economists[*]	UW-Madison
		ECON 899, Topics in Computational Economics (Ph.D.)[†]	UW-Madison
	2022	ECON 101, Principles of Microeconomics[*]	UW-Madison
	2022	ECON 725, Machine Learning for Economists[†]	UW-Madison

* = Teaching Assistant, †= Guest Lecturer

REFEREE SERVICES

Journal of the European Economic Association, Journal of Industrial Economics

TECHNICAL SKILLS

Python, R, Julia, SQL, Stata, Matlab, LaTeX