

	UW-Madison Department of Economics 1180 Observatory Drive, Office 6439 Madison, WI 53706	Sewell Social Sciences Office 64308 (715) 212-4370 jcollison@wisc.edu jackcollison.github.io
EDUCATION	2021 - 2021 - 2023 2019 - 2021 2016 - 2020	Ph.D. Candidate in Economics M.S. in Economics M.S. in Statistics B.A. in Economics with Honors UW-Madison UW-Madison Stanford University Stanford University
RESEARCH FIELDS	Industrial organization, applied microeconomics, econometrics	
RESEARCH ASSISTANCE	2024 - 2023 - 2024 2022 - 2023 2020 - 2021 2017 - 2019	Research Assistant for Panle Jia Barwick and Shanjun Li Research Assistant for Lorenzo Magnolfi and Chris Sullivan Research Assistant for Ashley Swanson Research Assistant for Karen Eggleston Research Assistant for Liran Einav and Pete Klenow UW-Madison UW-Madison UW-Madison Stanford University Stanford University
PROFESSIONAL EXPERIENCE	2019 - 2022 2020 2017	Research Analyst Intern Quantitative Research Intern Research Intern Ellington Management Group QuantCo NASA Frontier Development Lab
PUBLICATIONS	The Impact of Online Food Delivery Services on Restaurant Sales, <i>Stanford Undergraduate Thesis</i> , 2020 Jenniskens, et al. A survey of southern hemisphere meteor showers. <i>Journal of Planetary and Space Science</i> , 154, May 2018, 21-29	
WORKING PAPERS	Market Counterfactuals with Nonparametric Supply: An ML/AI Approach, with Harold Chiang, Lorenzo Magnolfi, and Christopher Sullivan <i>Previously circulated as Enhancing the Merger Simulation Toolkit with ML/AI</i> The Welfare Effects of Passenger Transportation Infrastructure: Evidence from China's High-Speed Rail Network, with Panle Jia Barwick, Shanjun Li, and Yatang Lin The Impact of Ride-Sharing Taxes: Evidence from Chicago, <i>under review</i> 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; <i>under review</i>	
WORKS IN PROGRESS	Product Entry and Industry Dynamics under Protectionism: Evidence from the Global EV Industry, with Panle Jia Barwick, Shanjun Li, and Yucheng Wang Approximations of High-Dimensional Markov Perfect Equilibrium in Dynamic Oligopoly Dynamics of Intermediary Bargaining and Market Power, with Toren Fronsdal Baseload Production and Electricity Price Variation, with John Higgins	

CONFERENCES	<p>2025 ACM Conference on Economics and Computation*</p> <p>International Industrial Organization Conference*†‡</p> <p>2024 Midwest IO Fest†</p> <p>Econometric Society Summer School in Dynamic Structural Econometrics</p> <p>Econometric Society Conference on Dynamic Structural Econometrics</p> <p>2023 NBER Economics of Digitization and Artificial Intelligence Tutorial</p> <p>NBER Economics of Digitization and Artificial Intelligence Conference</p> <p>American Society of Health Economists Conference†</p> <p>2022 American Society of Health Economists Conference*</p> <p>* = presenter, †= discussant, ‡= presented by coauthor</p>	
CONFERENCE PROCEEDINGS	<p>Chiang, et al. Enhancing the Merger Simulation Toolkit with ML/AI, <i>Proceedings of the ACM Conference on Economics and Computation</i>, July 2025</p> <p>De Cicco, et al. Artificial Intelligence Techniques applied to Automating Meteor Validation and Trajectory Quality Control to Direct the Search for Long Period Comets, <i>Proceedings of the International Meteor Conference</i>, September 2017</p> <p>Zoghbi et al. Searching for Long-Period Comets with Deep Learning Tools, <i>Neural Information Processing Systems: Deep Learning for Physical Sciences</i>, December 2017</p>	
AWARDS	<p>2025 Department of Economics Travel Scholarship UW-Madison</p> <p>Graduate School Student Research Grant UW-Madison</p> <p>2024 Culbertson Field Paper Scholarship UW-Madison</p> <p>Juli Plant Grainger Summer Research Fellowship UW-Madison</p> <p>2023 Juli Plant Grainger Summer Research Fellowship UW-Madison</p> <p>Distinguished Teaching Assistant UW-Madison</p> <p>Department of Economics Travel Scholarship UW-Madison</p> <p>2022 Department of Economics Travel Scholarship UW-Madison</p> <p>2021 Graduate School Fellowship UW-Madison</p> <p>2020 Anna Laura Meyers Prize for Outstanding Honors Thesis Stanford University</p> <p>Economics Departmental Honors Stanford University</p> <p>2018 Economics Summer Research Grant Stanford University</p>	
TEACHING/COURSE ASSISTANCE	<p>2025 Guest Lecturer, ECON 717, Applied Econometrics (Ph.D.) UW-Madison</p> <p>2024 Guest Lecturer, ECON 899, Topics in Computational Economics (Ph.D.) UW-Madison</p> <p>2023 Teaching Assistant, ECON 570, Data Analytics for Economists UW-Madison</p> <p>Guest Lecturer, ECON 899, Topics in Computational Economics (Ph.D.) UW-Madison</p> <p>2022 Teaching Assistant, ECON 101, Principles of Microeconomics UW-Madison</p> <p>2022 Course Assistant, ECON 725, Machine Learning for Economists UW-Madison</p>	
REFeree SERVICES	<i>Journal of the European Economic Association</i> (x2), <i>Journal of Industrial Economics</i>	
TECHNICAL SKILLS	Python, R, Julia, SQL, Stata, Matlab, \LaTeX	