

University of Wisconsin-Madison Department of Economics 1180 Observatory Drive, Office 6408 Madison, WI 53706			Sewell Social Sciences (715) 212-4370 jcollison@wisc.edu jackcollison.github.io
EDUCATION	2021 - 2021 - 2023 2019 - 2021 2016 - 2020	Ph.D. 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, energy economics, applied microeconomics, econometrics		
RESEARCH ASSISTANCE	2024 - 2023 - 2024 2022 - 2023 2020 - 2021 2017 - 2019	Research Assistant for Panle Jia Barwick Research Assistant for Lorenzo Magnolfi and Christopher 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	2021 - 2019 - 2022 2020 2017	Advisor Research Analyst Intern Quantitative Research Intern Research Intern	Propaga Ellington Management Group QuantCo NASA Frontier Development Lab
PUBLICATIONS	<p>“The Impact of Online Food Delivery Services on Restaurant Sales,” Stanford University Undergraduate Theses, 2020.</p> <p>“A survey of southern hemisphere meteor showers,” with Jenniskens, et al. <i>Journal of Planetary and Space Science</i>, 154, May 2018, 21-29</p>		
WORKING PAPERS	<p>“Market Counterfactuals with Nonparametric Supply: An ML/AI Approach,” with Harold Chiang, Lorenzo Magnolfi, and Christopher Sullivan <i>Extended abstract appeared at the ACM Conference on Economics and Computation as “Enhancing the Merger Simulation Toolkit with ML/AI”</i></p> <p>“The Welfare Effects of Passenger Transportation Infrastructure: Evidence from China’s High-Speed Rail Network,” with Panle Jia Barwick, Shanjun Li, and Yatang Lin</p> <p>“The Impact of Ride-Sharing Taxes: Evidence from Chicago”</p> <p>“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</p>		
WORKS IN PROGRESS	<p>“Inventories and Merger (In)efficiencies In the Petroleum Industry”</p> <p>“Energy Transition under Protectionism: Evidence from the Global Electric Vehicle Industry,” with Panle Jia Barwick, Shanjun Li, and Yucheng Wang</p> <p>“Approximations of High-Dimensional Markov Perfect Equilibrium in Dynamic Oligopoly”</p> <p>“Baseload Production and Electricity Price Variation,” with John Higgins</p>		

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*
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* = 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 2025 Department of Economics Travel Scholarship Graduate School Student Research Grant 2024 Culbertson Field Paper Scholarship Juli Plant Grainger Summer Research Fellowship 2023 Juli Plant Grainger Summer Research Fellowship Distinguished Teaching Assistant Department of Economics Travel Scholarship 2022 Department of Economics Travel Scholarship 2021 Graduate School Fellowship 2020 Anna Laura Meyers Prize for Outstanding Honors Thesis Economics Departmental Honors 2018 Economics Summer Research Grant	UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison Stanford University Stanford University Stanford University
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TEACHING EXPERIENCE	2025 ECON 717, Applied Econometrics (Ph.D.) [†] 2024 ECON 899, Topics in Computational Economics (Ph.D.) [†] 2023 ECON 570, Data Analytics for Economists* ECON 899, Topics in Computational Economics (Ph.D.) [†] 2022 ECON 101, Principles of Microeconomics* 2022 ECON 725, Machine Learning for Economists [†]	UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison UW-Madison
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* = Teaching Assistant, †= Guest Lecturer

REFEREE SERVICES *Journal of the European Economic Association, Journal of Industrial Economics*

TECHNICAL SKILLS Python, R, Julia, SQL, Stata, Matlab, L^AT_EX