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Office Contact Information

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Education

University of Chicago, Ph.D. Economics   *2019–2025 (expected)*

Indiana University, B.S. Mathematics, B.A. Economics   *2015–2019*

References

Professor Greg Kaplan (Chair)
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Research and Teaching Fields

Primary:	Macro, Labor
Secondary:	Spatial

Job Market Paper

The Dynamics of Firm Size and Skill Composition: Theory and Evidence from Australia

Abstract: *This paper examines the dynamics of firm size and skill composition, using microdata from Australian workers and firms between 2011 and 2019. I document that larger firms tend to have more skilled workers, but within individual firms, growth is associated with a shift toward lower-skilled labor. To explain these patterns, I develop a simple monopsony model that accounts for both total factor productivity and skill-biased productivity, and allow firms to choose their scale and workforce composition. I validate the model by analyzing the effects of a payroll tax policy change in South Australia, demonstrating that firms adjust both scale and skill mix in response to cost changes. Finally, I use a calibrated quantitative model of the Australian labor market to explore the implications of shifts in aggregate skill composition on the distributions of firm size and skill composition. The results highlight*

how accounting for employment composition decisions by firms is crucial for understanding observed patterns of employment across firms and within firms over time.

Work in Progress

Mortality and Income Inequality

Urban Developer Dynamics (with Jordan Rosenthal-Kay)

Awards, Scholarships, and Grants

Marshall Field Fellowship, Theodore Schultz Economics Fellowship	*2024–2025*
Becker Friedman Institute Data Acquisition Grant ($1,500)	*2024*
Urban Doctorial Fellow, Mansueto Institute, University of Chicago	*2022–2023*
Lee Prize (top score on Macro Core Exam), Kenneth C. Griffin Department of Economics	*2020*

Teaching Experience

Introductory Statistics (Executive MBA)	TA for Prof. Russell	*Winter 2023*
Mathematical Methods in Economics (graduate)	Instructor	*Fall 2022*
Introductory Statistics (graduate)	TA for Prof. Russell	*Fall 2022*
Theory of Income I (graduate)	TA for Prof. Stokey	*Fall 2021*
Mathematical Methods in Economics (graduate)	Instructor	*Fall 2021*
Empirical Analysis II (graduate)	TA for Profs. Hansen and Sargent	*Winter 2021*
Theory of Income I (graduate)	TA for Prof. Stokey	*Fall 2020*
Honors Intermediate Macro (undergraduate)	TA for Prof. Buler	*Spring 2019*
Principles of Micro (undergraduate)	TA for Prof. Graf	*Fall 2018*
Intermediate Micro (undergraduate)	TA for Prof. Kaganovich	*Spring 2018*
Honors Intermediate Micro (undergraduate)	TA for Prof. Walker	*Fall 2017*
Principles of Macro (undergraduate)	TA for Prof. Graf	*Spring 2017*
Finite Mathematics	Grader	*Spring 2017*
Principles of Micro (undergraduate)	TA for Prof. Graf	*Fall 2016*
Finite Mathematics (undergraduate)	TA	*Fall 2016*

Research Experience and Other Employment

Visiting Scholar, Federal Reserve Bank of Chicago	*2024*
Research Assistant for Prof. Kaplan (UChicago) and Prof. Violante (Princeton)	*2021–2022*
Project Intern, Board of Governors of the Federal Reserve	*2018*

Additional Information

Citizenship	United States
Programming Skills	Julia, Matlab, R
Languages	English (Native), Spanish (Novice), American Sign Language (Novice)

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