

# Michael James Carter

Department of Economics  
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## Citizenship and Visa Status

U.S. Citizen

## Academic Positions

Visiting Assistant Professor – Lafayette College

July 2023 – June 2024

## Education

**Ph.D.** Economics, The Ohio State University, 2023

**M.A.** Economics, The Ohio State University, 2018

**M.S.** Predictive Analytics, Northwestern University, 2015

**B.A.** Economics and Theology, University of Notre Dame, 2011

## Research Fields

Macroeconomics, Industrial Organization, Finance

## Research Papers

### [“Firm Investment with Shareholder Inequality”](#) (Job Market Paper)

Does household wealth and income inequality matter for macroeconomic outcomes? Existing Bewley-Hugget-Aiyagari models featuring income inequality find that inequality increases the wealth to GDP ratio. However, these models require counterfactually-high capital accumulation. From 1970 to 2010, household financial wealth relative to GDP increased by 35% while the capital-output ratio only increased by 5%. To break the link between wealth and capital, I study a DSGE model economy where firms own and operate capital while households save through a stock market. The problem of the firm is generally not well-defined in settings with household heterogeneity, incomplete markets, and decreasing returns to scale. I resolve this classic issue with a discount factor that is consistent with stock market equilibrium and with firms who maximize their net market value. I find that changes to the household income distribution from 1970 to 2010 generate a 45% increase in wealth relative to GDP with a smaller 21% increase in the capital-output ratio. The model also explains 100% of the observed increase in the decline in dividend yields and the increase in the price-earnings ratio for equity from 1970-2010. I then examine the role of wealth inequality through unanticipated redistribution shocks. More wealth inequality leads to higher investment, wages, and output, though poor households are much worse off as lower rates of return make it harder to save out of poverty.

## Research in Progress

“Firm Size Distribution and the Increase in Mark-ups” (with [Rohan Shah](#))

“Common Ownership and Capital Investment”

## Presentations

2023

Liberal Arts Macroeconomics Conference, University of Bristol,  
Bowdoin College, U.S. Naval Academy, Liberal Arts Macroeconomics  
Conference, Midwest Macroeconomics Conference (fall)

2022

Midwest Macroeconomics Conference (spring)

## Teaching Experience

### Lafayette College

ECON 252: Intermediate Macroeconomics (Fall 2023, Spring 2024)

### The Ohio State University

ECON 4002: Intermediate Macroeconomic Theory (Fall 2021, Summer 2020)

ECON 2001: Principles of Microeconomics (Fall 2019)

## Honors, Scholarships, and Fellowships

2022	Graduate Associate Teaching Award, Ohio State University Graduate Associate Teaching Award in Economics, OSU Economics Department
2021	Departmental Citation for Excellence in Teaching, OSU Economics Department
2020	Graduate Associate Teaching Award in Economics, OSU Economics Department
2017	University Fellowship, Ohio State University

## Professional Experience

2021	<b>The Ohio State University</b> – Research Assistant to Kyle Dempsey
2011-2017	<b>United Airlines</b> Senior Manager, Revenue Strategy & Analysis Senior Analyst, Revenue Strategy & Analysis Analyst, Domestic Pricing

## References

Aubhik Khan  
Department of Economics  
Ohio State University  
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Julia Thomas  
Department of Economics  
Ohio State University  
[thomas.2108@osu.edu](mailto:thomas.2108@osu.edu)

Kyle Dempsey  
Department of Economics  
Ohio State University  
[dempsey.164@osu.edu](mailto:dempsey.164@osu.edu)

## Programming Languages

Fortran, MATLAB, R, SQL

## Professional Memberships

American Economic Association, Eastern Economic Association, The Econometric Society