Bailey Johnson

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EDUCATION

UCLA

2019 - 2026

Economics PhD all but dissertation however disqualified
Macroeconomics and Microeconomic Theory fields
Economics MA received 2021

Michigan State University

2018

BS Economics, Math minor. Highest Honors

EXPERIENCE

Outlier.ai — *Economist, Generalist*

May 2026 - Present

Provide expert human feedback that helps improve language learning models and makes AI outputs more accurate and reliable. Evaluate and refine model responses using structured review guidelines on various topics. A contractor role.

UCLA — *Lecturer*

Summer 2023

Taught and made the instructional materials for the introductory finance course, including pricing of stocks, bonds, and options. Portfolio theory and market efficiency.

UCLA — *Teaching Assistant*

2020 – 2024

Taught a supplementary lecture and made instructional materials/problem sets for better student understanding. This includes the following courses: Macroeconomic Theory, Finance, Microeconomic Theory 1 & 2, Financial Markets and Financial Institutions, Pricing and strategy.

UCLA — *Readership*

2020 – 2025

This includes grading tests, homework, essays, and student projects for the following courses: Principles of Macroeconomics, Principles of Microeconomics, Macroeconomic Theory, Advanced in Macroeconomics: Growth, Designed Markets, International Finance, History of Capitalism in the American Economy

SKILLS

Python, Matlab, Stata, R , Latex, Office. Claude Code and Cowork.

AWARDS / Positions

Graduate Student Fellowship

UCLA 2019 - 2024

Graduate Economics Association Social Chair

UCLA 2021

Terry L Schlichter Award

Michigan State University Economics Department 2018

George F. McGregor Scholarship

Michigan State University 2016-2018

LANGUAGES

English (Native)

French (Around B2 / Limited Working Proficiency)

Michigan State Finance Department— Research Assistant

April– December 2018

Wrote up appendix proofs and computed the maximum likelihood estimator that was trying to use a measure to separate skill from luck of mutual funds. In a separate project I collected and cleaned data for over 1000 cryptocurrencies for a similar analysis to Jermann's 2018 hyperinflation paper which was previously restricted to Bitcoin.

Working Papers/Projects

Heterogeneous Effects of Factor Intensity on Creative Destruction

Analyzed recession effects on productivity following recessions using Compustat data in regressions among various industries. Modified a dynamic firm entry/exit model to include heterogeneous factor intensity and longer debt contracts to better follow patterns in production factor usage, net firm exits, and productivity transitions, including delayed effects.

Optimal Trading with Sandwich Attack Front-Running in Decentralized Exchanges

Everyday traders are using decentralized exchanges that execute on blockchains with smart contracts to swap cryptocurrencies. Due to the mechanism that decides transaction ordering there exists a problem called Miner Extractable Value (MEV). It enables front-running users by paying additional fees to the blockchain's miners to receive favorable trade sequencing . This paper uses a basic dynamic trading game to find an implementable way of reducing this front-running. The user submits multiple trades that are sufficiently small to make the fixed per trade transaction costs of using the blockchain outweigh potential front-running profits.