Calvin Clack

Chicago, IL | cclack2@uic.edu | (608) 695-7179 | www.linkedin.com/in/calvin-clack-4a485ba8

Professional Summary

Ph.D. candidate in Economics and CFA Level III completer with strengths in macroeconomic modeling, quantitative analysis, and time series forecasting. Experienced in Python, MATLAB, and R, with research spanning heterogeneous-agent models, empirical macro, and systematic trading. Seeking full-time roles beginning Summer 2027.

Education

University of Illinois Chicago 2027 (expected)
Ph.D. Candidate, Economics. GPA: 3.77

CFA Institute 2025
CFA Level III, Completed

University of Chicago 2024
Ph.D. Exchange Scholar, Economics. GPA: 3.80

DePaul University 2020
M.S., Finance. GPA: 3.87

Purdue University 2017
B.S., Mechanical Engineering. GPA: 3.21

Experience

Student Lecturer and Teaching assistant 2022 – Present
University of Illinois Chicago *Chicago, IL*
- Developed undergraduate curriculum in macroeconomics received an average course evaluation score of 4.38.
- Delivered complex subject matter in clear terms, enhancing comprehension for audiences with varied academic backgrounds.

Investment Banking Analyst 2021
Blaige & Company *Chicago, IL*
- Conducted M&A analysis in the industrial sector and prepared financial models and due diligence reports.
- Partnered with C-suite executives on strategic decisions and built data rooms and deal decks.

Private Equity Associate Intern 2020
Tamroc Partners *Chicago, IL*
- Conducted company and industry analysis to identify potential investment opportunities and support decision making.
- Designed data driven pitch decks and scenario analyses that informed strategic decisions across two industries.

Engineer I, Electroactive Polymers 2018 – 2019
Parker Hannifin *Minneapolis, MN*
- Spearheaded PFMEA analysis to enhance manufacturing efficiency and risk mitigation for two product portfolios.
- Applied quantitative techniques such as design of experiments to systematically reduce costs and enhance quality.

Projects

How the Extensive Margin Affects Inter-Agent Loans in a Life Cycle Model (Thesis)
Conference Presentations: Illinois Economic Association
- Bridged structural modeling and empirical evidence gaps by developing a novel three period Overlapping Generations framework and a novel Heterogeneous Agent life cycle models to resolve inconsistencies between intensive margin focused conventions and extensive margin labor dynamics.
- Empirically validated theoretical findings using Vector Autoregression and Local Projection methods

Developed and Backtested Systematic Trading Framework for US Government Bonds
- Built statistical modeling system that doubled the sharpe ratio of 10 year treasuries from (1970–present); engineered flexible framework supporting both long-only and long/short strategy options.
- Implemented CPCV protocol to establish robust out of sample performance estimates that creates an empirical distribution of out of sample outcomes to identify model stability.

Skills

Programming: Local AI Integration, Python, MATLAB, R, Microsoft Office (VBA)

Modeling: Dynamic Programming, Econometric Modeling, Finite Difference Methods, Heterogeneous Agent Macroeconomic Modeling, Machine Learning, Monte Carlo Simulation, Optimization, Time-Series Analysis

Finance: DCF Modeling, Financial Statement Analysis, Portfolio Theory, Monte Carlo Simulation, Scenario Analysis, VaR