

JOSHUA LAWSON

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PUBLICATIONS Lawson, Alam, and Etienne. Speculation and food-grain prices, *Applied Economics*, January 28, 2021. DOI:10.1080/00036846.2020.1859451.

Speculation and Wheat. **Best Paper Award** – 2019 Ed Nissan Undergraduate Research Competition

EDUCATION **Ph.D. Finance**
University of Rochester, July 2021 – 2026 (expected)

M.S. Mathematics: Applied Track (GPA 3.7/4.0)
State University of New York – Buffalo, May 2021

- Numerical Analysis I & II
- Methods of App. Math I & II
- Probability Theory
- Advanced Calculus
- Stochastic Processes
- Stochastics on Networks
- Real Analysis
- Statistical Inference
- Nonlinear Dynamics

M.S. Finance: Quantitative Track (GPA 4.0/4.0)
State University of New York – Buffalo, December 2020

- Quantitative Methods for Finance
- Financial Innovations
- Portfolio Theory
- Financial Modeling in R

B.S. Finance/Investments: December 2018

University of Tennessee at Chattanooga

- **Dean's List** – Spring '17, Fall '17, Spring '18, Summer '18, Fall '18
- **President** - Trading and Investment Club
- **Chief Analyst** – Student Managed Investment Learning Experience

EXPERIENCE **Lecturer**, SUNY – Buffalo: January 2021

- Derivative Securities – Graduate
- Derivative Securities – Undergraduate

Teaching Assistant, SUNY – Buffalo: September 2019 – December 2020

- Derivative Securities, Corporate Finance, and Equity Research

Tutor, SUNY – Buffalo, Student Success Center: September 2019 – December 2020

- Biostatistics, Calculus I, II, & III, Linear Algebra, and Probability Theory

Research Analyst, The Patten Group: Feb. 2017-June 2019

- Lead analyst – Financial Services: Regional Banks

Coding Experience

- Python – coded several dynamic systems models, root finding algorithms, data pulling and cleaning algorithms, and have utilized numerous optimization packages.
 - R – structural vector autoregression, PCA, and statistical tests.
 - LaTeX – written numerous reports and essays during graduate school.
 - Gephi – network visualization software – used for original research analyzing large scale-free networks of US and Chinese stock markets.
 - STATA – mostly used for time-series analysis, e.g. ADF and other unit root tests.
 - MATLAB – non-linear optimization and monte-carlo simulations.
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