

# ETHAN NOURBASH

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## EDUCATION

### NEW YORK UNIVERSITY

Graduate Non-Degree / Mathematics / GPA: 4.0 / GRE: 170-Q 162-V 4-AW

Coursework – Analysis

2023

New York, NY

### NORTHWESTERN UNIVERSITY

Bachelor of Arts / Economics & Mathematics Majors with Data Science Minor / GPA: 3.95 / Magna Cum Laude

Coursework – Real Analysis, Complex Analysis, Advanced Macroeconomics, Probability, Econometrics, Economics of Networks, Graph Theory, Number Theory, Linear Algebra, Microeconomics, Statistics, Data Science, Multi-variate Calculus

2018-2022

Evanston, IL

## RESEARCH EXPERIENCE

### FEDERAL RESERVE BANK OF NEW YORK, INTERNATIONAL RESEARCH FUNCTION

Senior Research Analyst

June 2022 – Present

New York, NY

- Tuned a series of machine learning models to fit macro-finance model simulated data using regressors empirically observed to estimate the marginal interest rate that would induce a financial crisis in the United States, analyzed the results and constructed robustness tests with Marco Del Negro
- Alongside Ozge Akinci, constructed a three country DSGE model with a banking sector, global value chains, and country asymmetries to identify the causal channels through which U.S. monetary policy shocks propagate and analyse the role of the U.S. dollar in global financial markets

### NORTHWESTERN UNIVERSITY, CENTER ON LAW, BUSINESS, AND ECONOMICS

Research Assistant

June 2021 – February 2023

Chicago, IL

- Identified life outcomes by matching female birth certificates to birth certificates of their children using natural language processing to account for misspellings
- Analyzed various regressions with Professor Weiss to determine the significance of a first name in economic outcomes and co-authored a paper discussing findings

### NORTHWESTERN UNIVERSITY, DEPARTMENT OF ECONOMICS

Research Assistant

June 2020 – January 2021

Evanston, IL

- Collected data on completed mergers and acquisitions and ran the Department of Justice's post-merger price prediction algorithm using a high-performance computing cluster
- Analysed results with Professor Bhattacharya and Illanes to identify systematic inaccuracies in predicted price versus actual price

### NORTHWESTERN UNIVERSITY, KELLOGG SCHOOL OF MANAGEMENT

Research Assistant

October 2018 – January 2020

Evanston, IL

- Collaborated with Professor Morjaria to study the economic impact of election violence in Africa, effectiveness of Ethiopian flower trade, and government seat retention in Kenya
- Evaluated Ethiopian flower industry success using hundreds of companies' financial statements and progress on loan payments

## AWARDS AND HONORS

### PHI BETA KAPPA

2022

### ROBERT M. COEN AWARD FOR DISTINGUISHED HONORS THESIS

2022

### DEAN'S LIST

2018-2022

## BLOGS & WORKING PAPERS

### WHAT DO FIRST NAMES SIGNAL?: SOME CAUTIONARY FINDINGS

with Deborah Weiss and Matthew Spitzer

Ongoing

Working Paper

### MEASURING THE FINANCIAL STABILITY REAL INTEREST RATE, $R^{**}$

with Ozge Akinci, Gianluca Benigno, Marco Del Negro, and Albert Queralto

May 2023

Liberty Street Economics

### FINANCIAL STABILITY AND INTEREST RATES

with Ozge Akinci, Gianluca Benigno, Marco Del Negro, and Albert Queralto

May 2023

Liberty Street Economics

### FINANCIAL VULNERABILITY AND MACROECONOMIC FRAGILITY

with Ozge Akinci, Gianluca Benigno, Marco Del Negro, and Albert Queralto

May 2023

Liberty Street Economics

## ASSESSING THE OUTLOOK FOR EMPLOYMENT ACROSS INDUSTRIES

*with Thomas Klirgaard*

May 2023

*Liberty Street Economics*

## HOW MUCH CAN GSCPI IMPROVEMENTS HELP REDUCE INFLATION?

*with Ozge Akinci, Gianluca Benigno, Hunter L. Clark, and William Cross-Bermingham*

February 2023

*Liberty Street Economics*

## HOW HAVE SWINGS IN DEMAND AFFECTED GLOBAL SUPPLY CHAIN PRESSURES?

*with Gianluca Benigno, Hunter L. Clark, and William Cross-Bermingham*

February 2023

*Liberty Street Economics*

## GLOBAL SUPPLY CHAIN PRESSURE INDEX: THE CHINA FACTOR

*with Ozge Akinci, Gianluca Benigno, Hunter Clark, and William Cross-Bermingham*

February 2023

*Liberty Street Economics*

## SKILLS

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**Languages:** English (Native), French (Intermediate)

**Programming:** Python (NumPy, scikit-learn, Pandas), MATLAB (Dynare), R (dplyr, tidymodels), Stata, Linux/Unix, Latex

**Interests:** Windsurfing, Rock Climbing, Guitar