

Pranay Gundam

NYC Federal Reserve Research Analyst

33 Liberty St, New York, NY 10045



Education

2019 — 2023 **Carnegie Mellon University**
B.S. Economics and Mathematical Sciences
B.S. Computational Finance

2023 — **New York University**
Graduate Coursework in Mathematics and Economics

- ▶ (PhD) Macroeconomic Theory I: Thomas J. Sargent, Lars Ljungqvist
- ▶ (Graduate) Math Analysis II: Aaditya Rangan

Research

Interests

Economics Spatial General Equilibrium Models, Monetary Policy, DSGE, HANK
ML Generative Networks

Published Papers

2023 **The New York Fed DSGE Model: A Post-Covid Assessment**
AEA Papers and Proceedings Vol. 114, May 2024, [Link](#)
with Richard Crump, Marco Del Negro, Keshav Dogra, Donggyu Lee, Ramya Nallamotu, and Brian Pacula

Published Articles/Blog Posts

2023 **On the Distributional Consequences of Responding Aggressively to Inflation**
Liberty Street Economics, [Link](#)
with Marco Del Negro, Keshav Dogra, Donggyu Lee, and Brian Pacula

2023 **On the Distributional Effects of Inflation and Inflation Stabilization**
Liberty Street Economics, [Link](#)
with Marco Del Negro, Keshav Dogra, Donggyu Lee, and Brian Pacula

2023 **The New York Fed DSGE Model Perspective on the Lagged Effect of Monetary Policy**
Liberty Street Economics, [Link](#)
with Richard Crump, Marco Del Negro, Keshav Dogra, Donggyu Lee, Ramya Nallamotu, and Brian Pacula

2023 **A Bayesian VAR Model Perspective on the Lagged Effect of Monetary Policy**
Liberty Street Economics, [Link](#)
with Richard Crump, Marco Del Negro, Keshav Dogra, Donggyu Lee, Ramya Nallamotu, and Brian Pacula

2023 **The New York Fed DSGE Model Forecast— September 2023**
Liberty Street Economics, [Link](#)

with Marco Del Negro, Donggyu Lee, Ramya Nallamotu, and Brian Pacula

Projects

- 2023 **Slum Mapping and Household Location Choice**
Senior Honors Thesis, Advisor: Laurence Ales, [Link](#)
- 2022 **An Examination of the Time Value of Money on Bond Curve Trading Strategies**
Advisor: William Hrusa, [Link](#)
- 2020 **Follow-On Drugs and the Free Market: A Comparison of Drug Price Reduction Mechanisms**
Advisor: Laurence Ales, [Link](#)

Assistantships

- 2023 — **Research Assistant for Marco Del Negro**
Federal Reserve Bank of New York, Macroeconomic and Monetary Studies Section
- 2021 — 2022 **Research Assistant for Burton Hollifield**
Carnegie Mellon, Tepper School of Business

Authored Software

- 2023 — 2025 **ModelConstructors.jl**
Lead Developer, [Link](#)
- 2023 — 2025 **SMC.jl**
Lead Developer, [Link](#)
- 2023 — 2025 **DSGE.jl**
Lead Developer, [Link](#)

Employment

- 2023 — 2025 **Federal Reserve Bank of New York**
Research Analyst
- 2022 **PNC Bank**
Asset and Liabilities Management – Summer Analyst
- 2021 **Vayu AI**
Data Science Intern

Honors and Grants

- 2023 **Phi Beta Kappa**
Carnegie Mellon University
- 2023 **University Honors**
Carnegie Mellon University
- 2023 **College Honors**
Tepper Business School, Carnegie Mellon University

- 2023 **College Honors**
Mellon College of Science, Carnegie Mellon University
- 2021 **Omicron Delta Epsilon**
Carnegie Mellon University
- 2020 **Porges Summer Research Fellow**
Carnegie Mellon University

Teaching

- Spring 2023 **TA for [\(10-301/601\)](#) Introduction to Machine Learning**
Matt Gormley
- Fall 2022 **TA for [\(10-301/601\)](#) Introduction to Machine Learning**
Matt Gormley, Henry Chai
- Spring 2022 **TA for [\(21-260\)](#) Differential Equations**
David Handron
- Fall 2021 **TA for [\(21-260\)](#) Differential Equations**
David Handron
- Spring 2021 **TA for [\(21-260\)](#) Differential Equations**
Nikos Kolliopoulos

Other

- Coding Python, Julia, R, C, SQL, Java, Latex, Numpy, Pandas, Tensorflow, SMLNJ, QGIS, Matlab
- Other Coding Shell Script, Git, LaTeX, AWS Cloud Computing Services
- Data Clearances Special Sworn Status Researcher, U.S. Census Bureau
- Interests Soccer, Cooking, Science Fiction, Rock Climbing