

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 **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 Kolliopolous

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