

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

- 2024 — **spatial-sims**
Founder and 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 <i>Carnegie Mellon University</i>
2020	Porges Summer Research Fellow <i>Carnegie Mellon University</i>

Teaching

Spring 2023	TA for (10-301/601) Introduction to Machine Learning <i>Matt Gormley</i>
Fall 2022	TA for (10-301/601) Introduction to Machine Learning <i>Matt Gormley, Henry Chai</i>
Spring 2022	TA for (21-260) Differential Equations <i>David Handron</i>
Fall 2021	TA for (21-260) Differential Equations <i>David Handron</i>
Spring 2021	TA for (21-260) Differential Equations <i>Nikos Kolliopolous</i>

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
Interests	Soccer, Cooking, Science Fiction, Rock Climbing