

Arnav Sood

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Ph.D. Student in Economics, Carnegie Mellon University

Personal

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GitHub: [arnavs](https://github.com/arnavs)

Citizenship: US Citizen, Canada PR

Interests

Behavioral, Learning, Information, Game Theory, Econometrics

Computational Skills

Julia, Python/Torch, Shell Scripting, Docker

Employment

Predoc, University of British Columbia 2018–2020

- Member of [Centre for Artificial Intelligence Design and Action](#)

Lead Developer, QuantEcon 2019–2020

Prior Experience 2014–2018

- Research Assistant to Laura Veldkamp
- Research Intern, Office of the Comptroller of the Currency
- Intern, Morgan Stanley
- Treespace Math/Bio REU (NSF Grant #14-61094)

Education

(In-Progress) Ph.D. Economics, Carnegie Mellon University 2021-2027

Committee: Ali Shourideh, James A. Best, Maryam Saeedi, Aislinn Bohren (Penn)

M.S. Economics, Carnegie Mellon University 2021-2023

B.A. Mathematics, New York University 2014-2018

Dual-Enrolled Math Student, Princeton University 2013

Working Papers

Ebrahimi Kahou, M., Fernández-Villaverde, J., Perla, J., **Sood, A.** & Bloem-Reddy, B. *Exploiting Symmetry in High-Dimensional Dynamic Programming* Working Paper 28981 (National Bureau of Economic Research, July 2021). <http://www.nber.org/papers/w28981>.

Sood, A. & Best, J. *Frequentist Persuasion* 2025. arXiv: 2510.25066 [econ.TH]. <https://arxiv.org/abs/2510.25066>.

Works in Progress

Sood, A. *Socialized Learning*

Software

[Expectations.jl](#): Quadrature operators for distributions.

[InstantiateFromURL.jl](#): Bind Jupyter notebooks to web-hosted dependency TOML.

Grants and Awards

Scholarly Project Funding, CMU GSA/Office of the Provost \$500 for <i>Frequentist Persuasion</i>	2025
PNC Research Support Fund, PNC Center for Financial Services Innovation \$2500 for <i>Frequentist Persuasion</i>	2025
William Larimer Mellon Fellowship, Carnegie Mellon	2021-2026
Presidential Honors Scholar, New York University	2014-2018
National Merit Scholarship Finalist	2014

Talks, Panels and Seminars

- 2026: Australasian Economic Theory Workshop (U. AUCKLAND), Econometric Society Africa Meeting ([HYBRID](#)),
- 2024: SAET (U. CHILE), Theory Brown Bag (U. PITTSBURGH), Summer School in Economic Theory (poster, NORTHWESTERN — KELLOGG)
- 2023: Pennsylvania Economic Theory Conference (poster, PENN STATE)
- 2022: ASSA “What Can AI Do in Economics?” ([VIRTUAL](#))
- 2020: JuliaCon (poster and talk, [VIRTUAL](#))

Invited Activities

Summer Schools and Workshops: 2025 Asian School in Economic Theory ([NYU ABU DHABI](#)), 2023 DSE Deep Learning (U. LAUSANNE), DSE Empirical Market Design ([MIT](#))

Teaching

CMU	Principles of Micro	2024
CMU (TA)	MBA Statistics, Econ, Optimization Classes	2023-2024
CMU (TA)	PhD Metrics, Computation, Macro Courses	2022-2024

Other Activities

Volunteer Tech Support, Free Geek Vancouver

Volunteer Teacher, Splash! (Various Universities)