Arnav Sood

October 2025

Ph.D. Student in Economics, Carnegie Mellon University

Personal

Email: arnavs@cmu.edu   Phone: 609.285.7001
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: <u>Ali Shourideh</u>, 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.** *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*

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   2025
  $500 for *Frequentist Persuasion*

PNC Research Support Fund, PNC Center for Financial Services Innovation   2025
  $2500 for *Frequentist Persuasion*

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

2024: SAET (U. CHILE), Theory Brown Bag (U. PITTSBURGH), Summer School in Economic Theory (poster, NORTHWESTERN — KELLOGG)

2023: PETCO (poster, PENN STATE)

2022: ASSA "What Can AI Do in Economics?" (VIRTUAL)

2020: JuliaCon (poster and talk, VIRTUAL)

Invited Activities

2025: Asian School in Economic Theory (NYU ABU DHABI)

2023: DSE Deep Learning (U. LAUSANNE)

2022: 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)