Arnav Sood

February 2026

Ph.D. Student in Economics, Carnegie Mellon University

Personal

Email: arnavs@cmu.edu   Phone: 609.285.7001
GitHub: 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

Best Student Paper, AETW 2026	2026

$500 NZD for *Frequentist Persuasion*

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

2026: Australasian Economic Theory Workshop (U. AUCKLAND), Econometric Society Africa Meeting (HYBRID), Canadian Economics Association Annual Meeting (SIMON FRASER)

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

FractalU	Computational and Behavioral Economics	2026
CMU (TA)	Economics of Information	2026
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

Volunter Official, US National Science Bowl

Volunteer Tech Support, Free Geek Vancouver

Volunteer Teacher, Splash! (Various Universities)