Arnav Sood

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Ph.D. Student in Economics, Carnegie Mellon University

Personal

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Citizenship: US Citizen, Canada PR

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Interests

Econometrics, Macroeconomics, Computational Economics

Education

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

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

Dual-Enrolled Student, Princeton University — 2013

Employment

Predoctoral Fellow, Univeristy 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
- Economics Research Intern, Office of the Comptroller of the Currency
- Intern, Morgan Stanley Bank, N.A.

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.

Software

`Expectations.jl`: Expectation operators for distribution objects using Gaussian quadrature.

`InstantiateFromURL.jl`: Bind Jupyter notebooks to web-hosted dependency TOML.

Other Writing

Optimal Stopping and Linear Complementarity. (With Jesse Perla.) QuantEcon Notes.

- Computational Appendix.

Customer Feedback (Secondhand Alchemical Goods). Daily Science Fiction.

Grants and Awards

William Larimer Mellon Fellowship, Carnegie Mellon	2021
Presidential Honors Scholar, New York University	2014
National Merit Scholarship Finalist	2014

Talks, Panels, and Presentations (Invited Meetings*)

2020: JuliaCon

2022: ASSA “What Can AI Do in Economics?”, Econometric Society Summer School in Dynamic Structural Econometrics*

Teaching

Guest Lecturer (UBC)	Economics Courses	2019

Other Activities

Volunteer Tech Support, Free Geek Vancouver

Volunteer Teacher, Splash! (Various Universities)