

# Ishan Brownell Nath

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## CURRENT AND PREVIOUS AFFILIATIONS

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Federal Reserve Bank of San Francisco	2022 –
Economist	Summer 2021
Visiting Scholar	
Associate Editor, <i>Journal of International Economics</i>	2023 –
Princeton University	
Postdoctoral Fellow – International Economics Section	2021 – 2022
University of Chicago	
Postdoctoral Scholar (pre-job market) – Economics, EPIC, and Climate Impact Lab	2019 – 2021
PhD in Economics	2014 – 2019
Oxford University	
MPhil in Economics	2012 – 2014
Stanford University	
B.A. in Economics, B.S. in Earth Systems (with Honors & Distinction)	2008 – 2012

## PUBLISHED AND ACCEPTED PAPERS

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“Climate Change, the Food Problem, and the Challenge of Adaptation through Sectoral Reallocation” – Accepted for publication at the *Journal of Political Economy*

Tamma Carleton, Levi Crews, and Ishan Nath. “Is the World Running Out of Fresh Water?” *AEA Papers and Proceedings* 114, p. 31-35, 2024.

Chang-Tai Hsieh, Pete Klenow, and Ishan Nath. “A Global View of Creative Destruction” *Journal of Political Economy: Macroeconomics* 1(2), p. 243-275, 2023.

Tamma Carleton, Amir Jina, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Robert Kopp, Kelly McCusker, James Rising, Ashwin Rode, Hee Kwon Seo, Arvid Viaene, Jiacan Yuan, and Alice Tianbo Zhang, “Valuing the Global Mortality Consequences of Climate Change Accounting for Adaptation Costs and Benefits,” *Quarterly Journal of Economics* 137(4), p. 2037-2105, 2022.  
(First two authors listed out of alphabetical order to indicate project leadership)

Ashwin Rode, Tamma Carleton, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Amir Jina, Robert Kopp, Kelly McCusker, Ishan Nath, James Rising, and Jiacan Yuan. “Estimating a social cost of carbon for global energy consumption.” *Nature* 598, p. 308-314, 2021.  
(First author listed out of alphabetical order to indicate project leadership)

## WORKING PAPERS

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“Agriculture, Trade, and the Spatial Efficiency of Global Water Use” (with Tamma Carleton and Levi Crews)

“How Much Will Global Warming Cool Global Growth?” (with Pete Klenow and Valerie Ramey)

“Do Renewable Portfolio Standards Deliver Cost-Effective Carbon Abatement?” (with Michael Greenstone)  
Resubmitted to the *Journal of Political Economy: Microeconomics*

“Estimating the Global Impact of Climate Change on Staple Crops Accounting for Adaptation” (with Andrew Hultgren, Tamma Carleton, Michael Delgado, Diana Gergel, Michael Greenstone, Trevor Houser, Solomon

Hsiang, Amir Jina, Robert Kopp, Steven Malevich, Kelly McCusker, Terin Mayer, James Rising, Ashwin Rode, and Jiacan Yuan – first author listed out of alphabetical order to indicate project leadership)  
Revise-and-Resubmit at *Nature*

“Is Workplace Temperature a Valuable Job Amenity? Implications for Climate Change” (with Ashwin Rode, Rachel Baker, Tamma Carleton, Anthony D’Agostino, Michael Delgado, Timothy Foreman, Diana Gergel, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Amir Jina, Robert Kopp, Steven Malevich, Kelly McCusker, Matthew Pecenco, James Rising, and Jiacan Yuan – first author listed out of alphabetical order to indicate project leadership)

“The Welfare Economics of a Data-Driven Social Cost of Carbon” (Ishan Nath, Kelly McCusker, Ian Bolliger, Tamma Carleton, Michael Delgado, Michael Greenstone, Trevor Houser, Solomon Hsiang, Andrew Hultgren, Amir Jina, Robert Kopp, James Rising, Ashwin Rode – first two authors listed out of alphabetical order to indicate project leadership)

### **WORK-IN-PROGRESS**

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“The Effects and Effectiveness of Emergency Price Controls During Natural Disasters” (with Nadia Lucas, Johanna Rayl, and Becky Scurlock)

“Does Eating Local Reduce Emissions?” (with Levi Crews)

“Trade Policy and Food Security” (with Levi Crews and Alice Schmitz)

### **POLICY PUBLICATIONS**

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“Put a Price on It: The How and Why of Pricing Carbon.” (with Michael Greenstone). Book Chapter in *U.S. Energy & Climate Roadmap: Evidence-based Policies for Effective Action*, Energy Policy Institute at the University of Chicago, 2021.

“Fueling Technology Deployment with a Clean Electricity Standard.” (with Michael Greenstone). Book Chapter in *U.S. Energy & Climate Roadmap: Evidence-based Policies for Effective Action*, Energy Policy Institute at the University of Chicago, 2021.

“Economic Perspectives on Liability & Insurance.” *National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling Staff Working Paper*, 2011.

### **AWARDS**

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Rhodes Scholarship	2012
John G. Sobieski Undergraduate Thesis Award for Creative Thinking in Economics	2012
Stanford School of Earth Sciences Dean’s Award for Undergraduate Academic Achievement	2012
Harry S. Truman Scholarship	2011
Morris K. Udall Scholarship	2011

### **OTHER ACTIVITIES AND PREVIOUS EMPLOYMENT**

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Technical Contributor, U.S. National Climate Assessment	2022
Consultant, The World Bank	2022
Researcher, Climate Impact Lab	2015 –
Consultant, Open Philanthropy Project	2021 –
U.S. Census Bureau, Special Sworn Status	2016 –
Research Assistant, EPIC India, New Delhi	2016
Research Assistant to Chang-Tai Hsieh, University of Chicago	2015 – 2016
Research Assistant to Michael Greenstone, MIT	2012 – 2013
Research Assistant to Melissa Dell, Harvard University	2012 – 2013
Intern – United States Department of the Treasury, Economic Policy Office	2012
Consultant – Environmental Defense Fund	2012

Intern – White House Office of the Vice President, Economic Policy Office	2011
Research Assistant to Lawrence Goulder, Stanford University	2011
Senior Consultant – National Commission on the BP Deepwater Horizon Oil Spill	2010
Intern – The Carter Center	2010
7 <sup>th</sup> Grade Environmental Science Teacher – Breakthrough Collaborative	2009

## TEACHING EXPERIENCE

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### Teaching Assistant

Graduate Public Finance / Energy & Environmental Economics (for Michael Greenstone)	2017
Graduate Public Finance (for Owen Zidar, Eric Zwick, Seth Zimmerman, & Neale Mahoney)	2017
Undergraduate “Global Energy & Climate Challenge” (for Michael Greenstone & John Deutch)	2017
Undergraduate “Economics for Everyone” (for Steve Levitt & John List)	2017

### PhD Committee Service

Jeffrey Sun (Princeton, 2024);

## PROFESSIONAL SERVICE

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Referee: *Econometrica*, *Journal of Political Economy*, *Quarterly Journal of Economics*, *American Economic Review*, *American Economic Review: Insights*, *American Economic Journal: Economic Policy*, *American Economic Journal: Applied Economics*, *Review of Economics and Statistics*, *Journal of Political Economy: Microeconomics*, *Journal of International Economics*, *Journal of Public Economics*, *Journal of Development Economics*, *Environment and Development Economics*, *Journal of Econometrics*, *Quantitative Economics*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Environmental Economics and Management*, *Review of Economic Dynamics*, *Journal of the European Economic Association*, *Science*, *Nature Climate Change*, *Nature Communications*, *Proceedings of the National Academy of Sciences*, *Climate and Development*, *Agricultural and Food Economics*, *Earth’s Future*, *The Energy Journal*, *Resource and Energy Economics*, *Weather, Climate, & Society*, *IZA World of Labor*, *Land Economics*, *Journal of Environmental Studies and Sciences*, *The Lancet Planetary Health*, *Journal of Benefit-Cost Analysis*; *Economics Letters*

Grant Reviewer: National Science Foundation, CEPR PEDL, Leibniz Competition

Conference Organizing: 2025-2027 Program Committee Member for AERE at the ASSA (Association of Environmental and Resource Economists), 2023 European Meeting of the Econometric Society Programme Committee, 2023 LSE Environment Week Organizing Committee

## SEMINAR AND CONFERENCE PRESENTATIONS (including scheduled)

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- 2024:** Harvard Kennedy School; MIT Econ; Columbia Econ; UC Davis Econ (Macro/International); Princeton (Macro); Harvard Econ (joint Trade/Macro); UCLA Econ (Trade Mini Conference); Harvard Salata Institute Conference on Macro & Climate Change; International Monetary Fund (Structural Reforms & Climate Division); Harvard Center for History and Economics Climate Change Conference; ASSA Meetings; EPA / Society for Benefit-Cost Analysis Workshop on Social Cost of Greenhouse Gases; University of Colorado Boulder (Guest Lecture); University of British Columbia (Guest Lecture)
- 2023:** NBER SI Energy & Environment; NBER SI Economic Growth; UC Berkeley Econ (Trade); UC Berkeley ARE (joint with UC Davis); Harvard Econ (Macro, *cancelled due to family emergency*), University of British Columbia (Guest Lecture, Land & Food Systems Seminar); University of Southern California (Development); World Bank (Macro/Trade); International Monetary Fund; Stanford Energy & Environment Workshop; Coase Project Conference (Spring & Fall, Overview Lecture on Macro and Climate Change); E-Axes Young Scholars Webinar on Climate Finance & Economics; IGC Uganda Workshop on Climate Change, Environment, & Agriculture (in Kampala); Yale Conference on the Future of Economic Growth in the Climate Transition (Panelist); NBER Distributional Impacts of Climate Change in Agriculture (Discussant); Penn State New Faces in International Trade Conference (Discussant); Stanford Preparing for a Changing Climate Conference (Discussant); Peking University Sargent Institute Workshop on Quantitative Economics and Finance (Discussant); Yale School of Environment (Guest Lecture); BU Questrom (Guest Lecture)

- 2022:** NBER Energy & Environment Spring Meeting; UC Berkeley ARE; University of Toronto; LSE Environment Week; CAF Latin American Development Bank; Hitotsubashi University; SED (Society for Economic Dynamics) Climate Macro Session; BFI Macro Finance Research Program Confronting Uncertainty in Climate Change Conference; Coase Project Conference (Spring & Fall); GTAP Annual Conference on Global Economic Analysis; Princeton (Macro Lunch); Princeton (Junior Informal Labor); Fed Junior Applied Micro Group; UPenn Development Research Initiative Conference on Climate Change; Griffin Applied Economics Climate Change Conference; NYU Institute for Policy Integrity Justice40 and Equitable Deep Decarbonization Workshop; Latin American and Caribbean Economic Association (LACEA) Annual Meeting; Kearney Sustainability in Action Summit; NBER International Trade and Investment Summer Institute (Discussant); Online Spatial and Urban Seminar (Discussant)
- 2021:** NBER Risks in Agricultural Supply Chains; NBER SI Energy & Environment (Egg-Timer); Federal Reserve Bank of San Francisco; Federal Reserve Bank of New York; Federal Reserve Board of Governors; Federal Reserve Bank of Dallas; University of British Columbia (VSE); Princeton (Trade); Princeton (Junior Informal Labor Group); UPenn Wharton; Cornell Dyson; University of Illinois Center for Climate, Regional, Environmental, and Trade Economics; Federal Reserve Bank of San Francisco Virtual Climate Seminar; Online Summer Workshop in Energy, Environment, and Transportation (OSWEET); Virtual Workshop on Trade, Spatial Economics, and the Environment; World Bank Sustainable Development Group; RIDGE Workshop on Trade, Growth, & Development; Center for Strategic and International Studies Energy Futures Forum; University of Maryland AREC (Guest Lecture); Society for Financial Studies Cavalcade (Discussant); Western Economics Association International Conference (Discussant); IMF Macro-Climate Conference (Discussant)
- 2020:** NBER Agricultural Markets & Trade Policy; UCLA Climate Adaptation Conference; UC Berkeley & Peterson Institute Conference on Macro & Trade; UChicago Becker Applied; UChicago Development
- 2019:** NBER SI Energy & Environment (Egg-Timer); Columbia University Young Economists Symposium; University of Chicago EPIC Lunch
- Prior:** University of Chicago Development Lunch, Student Applied Micro Lunch, and Energy and Environment Lunch and Learn; Delhi University St. Stephen's College; Stanford Earth Sciences

## **PERSONAL**

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**SPOUSE:** Julia Brownell Nath;    **CHILD:** Ellis Brownell Nath, born 2022