

Ben Green

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APPOINTMENTS	University of Michigan Assistant Professor, School of Information Postdoctoral Scholar, Society of Fellows Assistant Professor (non-TT), Gerald R. Ford School of Public Policy	Starting 2023 2020–2023 2020–2023
EDUCATION	Harvard University PhD in Applied Mathematics (Secondary Field in Science, Technology, & Society) MS in Applied Mathematics Yale University BS in Mathematics & Physics, with distinction (Cum Laude)	2020 2016 2014
AFFILIATIONS	Berkman Klein Center for Internet & Society at Harvard Affiliate Fellow Center for Democracy & Technology Fellow AI Now Institute at New York University Research Fellow	2018–Present 2016–2018 2022–2024 2019–2020
GRANTS AND FELLOWSHIPS	University of Michigan Society of Fellows Berkman Klein Center for Internet & Society Fellowship Harvard Kennedy School Taubman Center Urban Experience Fellowship NSF Graduate Research Fellowship (3 years of full support) DOD Science and Engineering Graduate Fellowship (3 years of full support; declined) Herbert Winokur SEAS Graduate Fellowship (1 year of full support) Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship Dwight Hall at Yale Urban Fellowship New Haven Mayor’s Community Arts Grant Yale President’s Public Service Fellowship Alan S. Tetelman 1958 Fellowship for International Research in the Sciences	2020 2016 2016 2015 2015 2015 2014 2013 2013 2013 2011
AWARDS	Privacy Papers for Policymakers Award, Future of Privacy Forum Best Paper Award, ACM CSCW Best Technical and Interdisciplinary Paper Award, ACM FAT* Best Paper Award (Public Policy Track), AI for Social Good Workshop (NeurIPS)	2022 2019 2019 2019
BOOKS	Ben Green. <i>The Smart Enough City: Putting Technology in Its Place to Reclaim Our Urban Future</i> . MIT Press. 2019. [Translations: Chinese, Japanese, Persian]	
REFEREED PAPERS	Ben Green. “Escaping the Impossibility of Fairness: From Formal to Substantive Algorithmic Fairness.” <i>Philosophy & Technology</i> . Forthcoming. Ben Green. “The Flaws of Policies Requiring Human Oversight of Government Algorithms.” <i>Computer Law & Security Review</i> , vol. 45. 2022. Future of Privacy Forum Privacy Papers for Policymakers Award	

Yaniv Yacoby, Ben Green, Christopher L. Griffin, and Finale Doshi-Velez. “If it didn’t happen, why would I change my decision?: How Judges Respond to Counterfactual Explanations for the Public Safety Assessment.” *AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*. 2022.

Ben Green and Yiling Chen. “Algorithmic Risk Assessments Can Alter Human Decision-Making Processes in High-Stakes Government Contexts.” *Proceedings of the ACM on Human-Computer Interaction*, vol. 5, CSCW2. 2021.

Ben Green. “Data Science as Political Action: Grounding Data Science in a Politics of Justice.” *Journal of Social Computing*, vol. 2, no. 3. 2021.

Ben Green. “The Contestation of Tech Ethics: A Sociotechnical Approach to Technology Ethics in Practice.” *Journal of Social Computing*, vol. 2, no. 3. 2021.

Ben Green and Salomé Viljoen. “Algorithmic Realism: Expanding the Boundaries of Algorithmic Thought.” *Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAT*)*. 2020.

Ben Green. “The False Promise of Risk Assessments: Epistemic Reform and the Limits of Fairness.” *Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAT*)*. 2020.

Ben Green and Yiling Chen. “The Principles and Limits of Algorithm-in-the-Loop Decision Making.” *Proceedings of the ACM on Human-Computer Interaction*, vol. 3, CSCW. 2019. **Best Paper Award**

Ben Green and Yiling Chen. “Disparate Interactions: An Algorithm-in-the-Loop Analysis of Fairness in Risk Assessments.” *Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAT*)*. 2019. **Best Technical and Interdisciplinary Paper Award**

Ben Green, Thibaut Horel, and Andrew Papachristos. “Modeling contagion through social networks to explain and predict gunshot violence in Chicago, 2006 to 2014.” *JAMA Internal Medicine*, vol. 177, no. 3. 2017.

Ben Green, Paul Bardunias, J. Scott Turner, Radhika Nagpal, and Justin Werfel. “Excavation and aggregation as organizing factors in de novo construction by mound-building termites.” *Proceedings of the Royal Society B*, vol. 284, no. 1856. 2017.

Ben Green, Alejandra Caro, Matt Conway, Robert Manduca, Tom Plagge, and Abby Miller. “Mining administrative data to spur urban revitalization.” *Proceedings of the 21st ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*. 2015.

WORKSHOP AND
SHORT PAPERS

Yaniv Yacoby, Ben Green, Christopher L. Griffin, and Finale Doshi-Velez. “If it didn’t happen, why would I change my decision?: How Judges Respond to Counterfactual Explanations for the Public Safety Assessment.” *CHI Workshop on Human-Centered Perspectives in Explainable AI (HCXAI)*. 2022.

Nel Escher, Jeffrey Bilik, Alexander Miller, Jennifer Jiyoun Huseby, Divya Ramesh, Alice Liu, Sam Mikell, Nina Cahill, Ben Green, Nikola Banovic. “Cod(e)ifying The Law.” *1st Workshop on Programming Languages and the Law (POPL)*. 2022.

Ben Green. “Reply: Hermeneutical injustice in sociotechnical systems.” *Journal of Cross-disciplinary Research in Computational Law*. 2021.

Ben Green and Yiling Chen. “Algorithm-in-the-Loop Decision Making.” *AAAI-20 Sister Conference Track*. 2020.

Ben Green. “‘Good’ isn’t good enough.” *NeurIPS Joint Workshop on AI for Social Good*. 2019. **Best Paper Award (Public Policy Track)**

Ben Green. “‘Fair’ Risk Assessments: A Precarious Approach for Criminal Justice Reform.” *5th Workshop on Fairness, Accountability, and Transparency in Machine Learning (ICML)*. 2018.

Ben Green and Lily Hu. “The Myth in the Methodology: Towards a Recontextualization of Fairness in Machine Learning.” *Machine Learning: The Debates Workshop (ICML)*. 2018.

Ben Green. “Testing and quantifying collective intelligence,” *Proceedings of the Collective Intelligence Conference*. 2015.

JOURNAL ISSUES Ben Green (ed.) “Technology Ethics in Action: Critical and Interdisciplinary Perspectives.” Special Issue of the *Journal of Social Computing*. 2021.

POLICY REPORTS Kate Crawford, Roel Dobbe, Theodora Dryer, Genevieve Fried, Ben Green, Elizabeth Kazianas, Amba Kak, Varoon Mathur, Erin McElroy, Andrea Nil Sánchez, Deborah Raji, Joy Lisi Rankin, Rashida Richardson, Jason Schultz, Sarah Myers West, Meredith Whittaker. “AI Now 2019 Report,” *AI Now Institute* (2019).

Ben Green, Gabe Cunningham, Ariel Ekblaw, Paul Kominers, Andrew Linzer, and Susan Crawford. “Open Data Privacy: A risk-benefit, process-oriented approach to sharing and protecting municipal data,” *Berkman Klein Center Research Publication* (2017).

PUBLIC WRITING Ben Green. “The Encroachment of Smart Cities.” *Fighting Global Apartheid and Technologies of Violence*, edited by Mizue Aizeki, Matt Mahmoudi, and Coline Schupfer. Haymarket Books. Forthcoming.

Ben Green. “Government by algorithm: Can AI improve human decisionmaking?” *The Hill*, September 21, 2021.

Ben Green and Amba Kak. “The False Comfort of Human Oversight as an Antidote to A.I. Harm.” *Slate*, June 15, 2021.

Ben Green. “Algorithmic Imaginaries: The Political Limits Of Legal And Computational Reasoning.” *The Law and Political Economy Blog*, April 21, 2021.

Jake Goldenfein, Ben Green, and Salomé Viljoen. “Privacy Versus Health Is a False Trade-Off.” *Jacobin*, April 17, 2020.

Ben Green. “Smile, Your City is Watching You.” *The New York Times*, June 27, 2019.

Ben Green. “The Biggest Mistakes Cities Make in Their Quest to Be Smart.” *The Wall Street Journal*, May 17, 2019.

Ben Green. “Can predictive policing help stamp out racial profiling?” *The Boston Globe*, April 17, 2019.

Ben Green. “Cities Are Not Technology Problems: What Smart Cities Companies Get Wrong.” *Metropolis Magazine*, March 4, 2019.

EXPERT TESTI-
MONIES/PUBLIC
COMMENTS Canadian Civil Liberties Association v. Waterfront Toronto (2019, 2020)
New York City Council Committee on Public Safety (2019)
Re: HUD’s Implementation of the Fair Housing Act’s Disparate Impact Standard (2019)
Boston City Council Committee on Public Safety and Criminal Justice (2018)

Cambridge City Council Public Safety Committee (2017)

COURSES TAUGHT	UM Public Policy 580: Values and Ethics in Public Policy	Spring 2022
	UM Public Policy 474: Policy and Politics of Government Algorithms	Spring 2021
ADVISING	Pelle Tracey (Dissertation Preliminary Committee Member, Michigan)	2022–Present
	Cami Goray (Dissertation Preliminary Committee Member, Michigan)	2022–Present
	Grace Burleson (Dissertation Committee Member, Michigan)	2021–Present
	Sam Mikell (Senior Thesis, Michigan)	2020–2022
	Rebecca Ackerman (Independent Study, Michigan)	Fall 2020
	Paul Nebres (Senior Thesis, Harvard)	2019–2020
OTHER TEACHING	Visiting Fellow, NYU Technology Law & Policy Clinic	2019–2020
	Faculty Member, UC Irvine Technology, Law, and Society Summer Institute	June 2018
	Course Assistant, Harvard Law School Responsive Communities Lab	Fall 2016
	Head Teaching Fellow, Harvard Computer Science 182: Artificial Intelligence	Fall 2015
	Math and Science Coordinator, Dwight Hall Academic Mentoring Program at Yale	2013–2014
	Tutor, Yale College Science and Quantitative Reasoning Center	2011–2014
MEDIA COVERAGE	The New York Times, The Wall Street Journal, Los Angeles Times, Boston Review, Science, Wired, CityLab, Slate, NPR, Government Technology, Protocol, Huffington Post, The Intercept, Harvard Magazine, Bloomberg Cities, StateScoop, Communications of the ACM, This Week in Machine Learning and AI Podcast, Consumer Reports, Next City, Chicago Sun Times	
POLICY AND PUBLIC SERVICE EXPERIENCE	City of Boston	
	Department of Innovation & Technology	Data analytics fellow
	<i>Municipal data analytics and policy</i>	June 2016 – May 2017
	Worked for the Citywide Analytics Team combining data analysis and performance management to improve operations for Boston’s Emergency Medical Services, Fire Department, and Public Works department. Developed privacy policies and practices for enhancing civic engagement.	
	Harvard University	
	Berkman Center for Internet & Society	Data governance fellow
	<i>Best practices for municipal data governance</i>	January 2016 – August 2017
	Worked with municipal data officials and led a team of researchers to develop best practices for how cities manage data. Wrote a report about open data privacy that has influenced privacy policies in cities including Austin, Boston, Cambridge, Columbus, San Francisco, and Seattle.	
	University of Chicago	
	Data Science for Social Good	Research fellow
	<i>Data science for urban revitalization</i>	June 2014 – August 2014
	Worked with the Mayor’s Innovation Delivery Team in Memphis, TN to develop a machine learning system that could enhance efforts to revitalize distressed neighborhoods.	
City of New Haven		
Department of Transportation	Policy intern	
<i>Improving parking technology and policy</i>	May 2013 – May 2014	
Coordinated the adoption of new smartphone payment technology in parking meters throughout New Haven. Updated parking regulations to reduce congestion and aid economic development.		
Yale University		
Design for America	Team founder and leader	
<i>Creating artistic bike racks</i>	September 2012 – May 2014	
Created a program to improve bicycling infrastructure in New Haven with bike racks that double as public art, funded by local businesses and a Mayor’s Community Arts Grant.		

TALKS

2022

Federal Trade Commission
National Institute of Standards and Technology
Future of Privacy Forum 12th Annual Privacy Papers for Policymakers Event
UK Information Commissioner's Office and The Alan Turing Institute AI Workshop
Simons Institute AI and Humanity Workshop
Berkeley Data Science and Social Justice Workshop
Georgetown Center for Digital Ethics
Georgetown McCourt School of Public Policy
Columbia School of International and Public Affairs
Beyond Fairness: Big Data, Racial Justice & Housing (MIT conference)
University of Chicago Human+AI Lab
Istanbul Bilgi University Technology Law Institute
UNESCO Artificial Intelligence for Information Accessibility Conference
Harvard AI-Assisted Decision-Making Colloquium
Workshop on Governing Smart Cities as Knowledge Commons
County of Santa Clara Data Privacy Day
University of Michigan School of Information
University of Michigan Law School
Georgetown Law 1698: Technology Law and Policy Colloquium (guest lecture)
NYU ITP 2184: Technology, Media and Democracy (guest lecture)
Michigan SI 430: Information Technology and Global Society (guest lecture)
Michigan Law 897: Artificial Intelligence and the Law (guest lecture)
Drexel HNRS 301: Fairness in AI (guest lecture)

2021

Michigan Institute for Data Science
Princeton Metropolis Project
Center for Data Innovation AI Policy Network
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
UNC-Charlotte Center for Professional and Applied Ethics
NYU Law School Privacy Research Group
EPIC Symposium on Regulating AI
ETH Zurich and RegHorizon AI Policy Conference
National Academies of Sciences, Engineering, and Medicine Responsible Computing Panel
Law and Society Association Conference
United Nations World Summit on the Information Society Forum
University of Toronto Centre for Ethics
International Smart City Symposium: Redefining the Smart City
UVA PLAN 3030: Neighborhoods, Community and Regions (guest lecture)
World Bank GPURL Live forum

2020

Beeck Center for Social Impact and Innovation at Georgetown
Critical Perspectives on Artificial Intelligence Ethics Conference
University of Calgary Social Justice in the Smart City Seminar Series
Anthropology + Technology Conference
Route Fifty Future Cities Conference
Aggregate Intellect
Economics of Digital Transformation Conference (**keynote**)
MIT City Science Research Group
NYU STS-UY 3004W: AI and Society (guest lecture)
NYU Law Innovation Externship Seminar (guest lecture)
Seneca College INC301: The Tangled Web (guest lecture)
University of Toronto Information 2303: Big Data in the City (guest lecture)
University of Wisconsin, Parkside MAPS 741: Smart Policy-Making (guest lecture)
Harvard Kennedy School
Judicial Council of California
Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI-20)

ACM Conference on Fairness, Accountability, and Transparency (FAT*)
Columbia GSAPP Lectures in Planning Series

2019
NeurIPS Joint Workshop on AI for Social Good
Heinrich Böll Foundation, Digital Rights and Sustainability workshop
Arizona State University Smart Region Summit (**keynote**)
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
Harvard Kennedy School Ash Center for Democratic Governance
Brattleboro Literary Festival
New York Law School Innovation Center for Law and Technology
NYU Law School Privacy Research Group
Cornell Tech Digital Life Seminar
Drexel Law School, Governance in the Age of Algorithms workshop
Tufts University Science, Technology, and Society Lunch Seminar
American Institute of Architects, New York
Boston Society of Architects
University of New Hampshire Law School Blockchain, Cryptocurrency and Law program
MIT Press Bookstore
MIT Department of Urban Studies and Planning
Harvard Institute for Learning in Retirement
Carleton University Master of Public Policy and Administration program
Harvard Applied Computation 221: Critical Thinking in Data Science (guest lecture)
Seton Hall Law School Institute for Privacy Protection Spring Conference
University of California, Irvine
Harvard Sociology 98AB: Urban Politics in the Global City (guest lecture)
Berkman Klein Center Luncheon Series
ACM Conference on Fairness, Accountability, and Transparency (FAT*)
Crime Lab New York
AI Now Institute at NYU

2018
Strategic Leadership Development for Senior Vietnamese Government Officials
MetroLab Annual Summit (panel moderator)
University of Indiana Ostrom Workshop on Smart Cities
Privacy Task Force for New Jersey Municipalities
Fairness, Accountability, and Transparency in Machine Learning (ICML workshop)
Machine Learning: The Debates (ICML workshop)
Humboldt University of Berlin Faculty of Law
Berkman Klein Center Attorney General Tech Forum
Seton Hall Law School Artificial Intelligence and the Law Conference

2017
Seton Hall Law School Institute for Privacy Protection Conference
National Network for Safe Communities National Conference
Harvard Data Privacy Lab Talks on Technology Science
LibrePlanet
Boston Area Research Initiative Spring Conference
Future of Privacy Forum Smart Cities working group

2016
Harvard Law School 2813: City Use of Technology (guest lecture)
City of Cambridge Open Data Review Board
Digital Communities Mid-Year CIO Leadership Group Meeting

2015
ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)
Collective Intelligence

SERVICE
Institutional
Electronic Privacy Information Center (EPIC) Advisory Board

Michigan Institute for Data Science Program Committee (2022-2023)

Workshop and Conference Organizing

FAccT Doctoral Consortium Co-chair (ACM FAccT, 2021)

The Future of IoT in Cities (Harvard Law School, 2016)

Best Practices in Municipal Open Data Management (Harvard Law School, 2016)

Conference Program Committee

ACM FAccT 2019, 2020, 2021, 2022

Black in AI (NeurIPS workshop) 2018, 2019, 2020, 2021

AAAI HCOMP 2022

Hybrid Human-Artificial Intelligence (HHAI) 2022

International ACM Web Science Conference (WebSci) 2019

Debugging Machine Learning Models (ICLR workshop) 2019

Mechanism Design for Social Good (EC workshop) 2019

Reviewing

The MIT Press (4x)

Big Data & Society (4x)

ACM CSCW (2020, 2021, 2022)

ACM CHI (2020)

Oxford University Press

University of Toronto Press

Polity Books

Information, Communication & Society (2x)

Communications of the ACM

Patterns

NeurIPS Ethics Reviews (2021, 2022)

Online Information Review

AI & Society

Data Mining and Knowledge Discovery

Journal of Urban Affairs

Journal of Law and Political Economy

npj Digital Medicine

RAND Corporation research report

Open Data Research Symposium

Black in AI Innovation and Research Summer Research Grant Program (2021)

ETH Zurich Research Commission