

Ben Green

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APPOINTMENTS	University of Michigan	
	Assistant Professor, School of Information	2023–Present
	Assistant Professor (by courtesy), Gerald R. Ford School of Public Policy	2023–Present
	Assistant Professor (non-TT), Gerald R. Ford School of Public Policy	2020–2023
	Postdoctoral Scholar, Society of Fellows	2020–2023
EDUCATION	Harvard University	
	PhD in Applied Mathematics (Secondary Field in Science, Technology, & Society)	2020
	MS in Applied Mathematics	2016
	Yale University	
	BS in Mathematics & Physics, with distinction (Cum Laude)	2014
AFFILIATIONS	Berkman Klein Center for Internet & Society at Harvard	
	Faculty Associate	2023–Present
	Affiliate	2018–2023
	Fellow	2016–2018
	Center for Democracy & Technology	
	Fellow	2022–2024
	AI Now Institute at New York University	
	Research Fellow	2019–2020
GRANTS AND FELLOWSHIPS	Google Award for Inclusion Research Grant	2023
	University of Michigan Society of Fellows	2020
	Berkman Klein Center for Internet & Society Fellowship	2016
	Harvard Kennedy School Taubman Center Urban Experience Fellowship	2016
	NSF Graduate Research Fellowship (3 years of full support)	2015
	DOD Science and Engineering Graduate Fellowship (3 years of full support; declined)	2015
	Herbert Winokur SEAS Graduate Fellowship (1 year of full support)	2015
	Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship	2014
	Dwight Hall at Yale Urban Fellowship	2013
	New Haven Mayor’s Community Arts Grant	2013
Yale President’s Public Service Fellowship	2013	
Alan S. Tetelman 1958 Fellowship for International Research in the Sciences	2011	
AWARDS	Privacy Papers for Policymakers Award, Future of Privacy Forum	2022
	Best Paper Award, ACM CSCW	2019
	Best Technical and Interdisciplinary Paper Award, ACM FAT*	2019
	Best Paper Award (Public Policy Track), AI for Social Good Workshop (NeurIPS)	2019
BOOKS	Ben Green. <i>Algorithmic Realism: Data Science Practices to Promote Social Justice</i> . In progress.	
	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	Nel Escher, Jeffrey Bilik, Nikola Banovic, and Ben Green. “Code-ifying the Law: How Disciplinary Divides Afflict the Development of Legal Software.” <i>Proceedings of the ACM on Human-Computer Interaction</i> , CSCW. Forthcoming.	

Ben Green. “Escaping the Impossibility of Fairness: From Formal to Substantive Algorithmic Fairness.” *Philosophy & Technology*, vol 35. 2022.

Ben Green. “The Flaws of Policies Requiring Human Oversight of Government Algorithms.” *Computer Law & Security Review*, 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.” *Proceedings of the AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, vol. 10. 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 Nill 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,” in *Resisting Borders and Technologies of Violence*, edited by Mizue Aizeki, Matt Mahmoudi, and Coline Schupfer. Haymarket Books. 2023.

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 TESTIMONIES/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 Information 485: Information Analysis Capstone UM Information 305: Introduction to Information Analysis UM Public Policy 474: Policy and Politics of Government Algorithms UM Public Policy 580: Values and Ethics in Public Policy UM Public Policy 474: Policy and Politics of Government Algorithms	Winter 2024 Fall 2023 Winter 2023 Winter 2022 Winter 2021
ADVISING	Shreya Chowdhary (Co-advisor, UMSI) Jared Katzman (Co-advisor, UMSI) Nel Escher (Co-advisor, UM CSE) John Rudnik (Dissertation Committee Member, UMSI) Brinda Gokul (Dissertation Committee Member, UMSI) Pelle Tracey (Dissertation Committee Member, UMSI) Amina Abdu (PhD Preliminary Exam Committee Member, UMSI) Brinda Gokul (PhD Preliminary Exam Committee Member, UMSI) Grace Burleson (Dissertation Committee Member, UM Design Science) Jared Katzman (PhD Precandidacy Exam Committee Member, UMSI) Cami Goray (PhD Preliminary Exam Committee Member, UMSI) Sam Mikell (Senior Thesis Advisor, UM CSE and Business) Rebecca Ackerman (Independent Study Advisor, UM Public Policy) Paul Nebres (Senior Thesis Advisor, Harvard CS)	2023–Present 2023–Present 2022–Present 2024–Present 2023–Present 2022–Present 2023 2023 2021–2023 2023 2022 2020–2022 Fall 2020 2019–2020
OTHER TEACHING	Visiting Fellow, NYU Technology Law & Policy Clinic Faculty Member, UC Irvine Technology, Law, and Society Summer Institute Course Assistant, Harvard Law School Responsive Communities Lab Head Teaching Fellow, Harvard Computer Science 182: Artificial Intelligence Math and Science Coordinator, Dwight Hall Academic Mentoring Program at Yale Tutor, Yale College Science and Quantitative Reasoning Center	2019–2020 June 2018 Fall 2016 Fall 2015 2013–2014 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 <i>Municipal data analytics and policy</i> 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 <i>Best practices for municipal data governance</i> 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.	Data analytics fellow June 2016 – May 2017 Data governance fellow January 2016 – August 2017

University of Chicago

Data Science for Social Good
Data science for urban revitalization

Research fellow
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
Improving parking technology and policy

Policy intern
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
Creating artistic bike racks

Team founder and leader
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

2024

Undone Computer Science Conference (keynote)
CMU HCI Institute Seminar
Governance of Sociotechnical Transformations (Harvard Kennedy School STS workshop)
Electronic Privacy Information Center (EPIC) Advisory Board Meeting

2023

Michigan Technology Law Review Symposium: Law and Justice in the Age of AI
Michigan SI 311: Privacy and Surveillance (guest lecture)
Center for Democracy and Technology Fellows Meeting
Indiana University Ostrom Workshop
Ohio State University Tech in the City Seminar
Impact Labs

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
Berkman Klein Center for Internet & Society at Harvard University
Center for Democracy and Technology Fellows Meeting
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 Privacy Tech Law Association
Columbia CS W3410: Computers and Society: Computers and Society (guest lecture)
Georgetown Law 1698: Technology Law and Policy Colloquium (guest lecture)
NYU ITP 2184: Technology, Media and Democracy (guest lecture)
Drexel HNRS 301: Fairness in AI (guest lecture)
Michigan SI 430: Information Technology and Global Society (guest lecture)

Michigan Law 897: Artificial Intelligence and the Law (guest lecture)
Michigan Arch 509: Infrastructure and Power (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

Boards and Committees

UMSI BSI Committee (2023-2024)
Electronic Privacy Information Center (EPIC) Advisory Board (2022–Present)
National Book Foundation Science + Literature Selection Committee (2022–2023)
Michigan Institute for Data Science Program Committee (2022–2023)

Workshop and Conference Organizing

Michigan Interactive and Social Computing Group Faculty Co-organizer (2023-2024)
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 Conference on Fairness, Accountability, and Transparency (FAccT) 2019–2023
AAAI/ACM Conference on AI, Ethics, and Society (AIES) 2023, 2024
Hybrid Human-Artificial Intelligence Conference (HHAI) 2022–2024
Black in AI (NeurIPS workshop) 2018–2024
AAAI Conference on Human Computation and Crowdsourcing (HCOMP) 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 (2020–2024)
ACM CHI (2020, 2023, 2024)
NeurIPS Ethics Reviews (2021–2024)
Oxford University Press
University of Toronto Press
Polity Books
Information, Communication & Society (2x)
Communications of the ACM
Internet Policy Review
Patterns
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