

# Ben Green

North Quad 3427  
105 State St., Ann Arbor, MI 48109

Email: [bzgreen@umich.edu](mailto:bzgreen@umich.edu)  
Site: <https://www.benzevgreen.com>

APPOINTMENTS	<b>University of Michigan</b> Assistant Professor, School of Information Assistant Professor (by courtesy), Gerald R. Ford School of Public Policy Assistant Professor (non-TT), Gerald R. Ford School of Public Policy Postdoctoral Scholar, Society of Fellows	2023–Present 2023–Present 2020–2023 2020–2023
EDUCATION	<b>Harvard University</b> PhD in Applied Mathematics (Secondary Field in Science, Technology, & Society) MS in Applied Mathematics  <b>Yale University</b> BS in Mathematics & Physics, with distinction (Cum Laude)	2020 2016  2014
AFFILIATIONS	<b>Berkman Klein Center for Internet &amp; Society at Harvard</b> Faculty Associate Affiliate Fellow  <b>Center for Democracy &amp; Technology</b> Fellow  <b>AI Now Institute at New York University</b> Research Fellow	2023–Present 2018–2023 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>Algorithmic Realism: Reimagining Data Science 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	Ben Green. “Escaping the Impossibility of Fairness: From Formal to Substantive Algorithmic Fairness.” <i>Philosophy &amp; Technology</i> , 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 Kaziunas, 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 TESTIMONIES/PUBLIC COMMENTS	<p>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)</p>	
COURSES TAUGHT	<p>UM Information 305: Introduction to Information Analysis <span style="float: right;">Fall 2023</span>  UM Public Policy 474: Policy and Politics of Government Algorithms <span style="float: right;">Winter 2023</span>  UM Public Policy 580: Values and Ethics in Public Policy <span style="float: right;">Winter 2022</span>  UM Public Policy 474: Policy and Politics of Government Algorithms <span style="float: right;">Winter 2021</span></p>	
ADVISING	<p>Nel Escher (Co-advisor, UM CSE) <span style="float: right;">2022–Present</span>  Pelle Tracey (Dissertation Committee Member, UMSI) <span style="float: right;">2022–Present</span>  Grace Burleson (Dissertation Committee Member, UM Design Science) <span style="float: right;">2021–Present</span>  Jared Katzman (PhD Precandidacy Exam Committee Member, UMSI) <span style="float: right;">2023</span>  Cami Goray (PhD Preliminary Exam Committee Member, UMSI) <span style="float: right;">2022</span>  Sam Mikell (Senior Thesis Advisor, UM CSE and Business) <span style="float: right;">2020–2022</span>  Rebecca Ackerman (Independent Study Advisor, UM Public Policy) <span style="float: right;">Fall 2020</span>  Paul Nebres (Senior Thesis Advisor, Harvard CS) <span style="float: right;">2019–2020</span></p>	
OTHER TEACHING	<p>Visiting Fellow, NYU Technology Law &amp; Policy Clinic <span style="float: right;">2019–2020</span>  Faculty Member, UC Irvine Technology, Law, and Society Summer Institute <span style="float: right;">June 2018</span>  Course Assistant, Harvard Law School Responsive Communities Lab <span style="float: right;">Fall 2016</span>  Head Teaching Fellow, Harvard Computer Science 182: Artificial Intelligence <span style="float: right;">Fall 2015</span>  Math and Science Coordinator, Dwight Hall Academic Mentoring Program at Yale <span style="float: right;">2013–2014</span>  Tutor, Yale College Science and Quantitative Reasoning Center <span style="float: right;">2011–2014</span></p>	
MEDIA COVERAGE	<p>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</p>	
POLICY AND PUBLIC SERVICE EXPERIENCE	<p><b>City of Boston</b>  <b>Department of Innovation &amp; Technology</b> <span style="float: right;">Data analytics fellow</span>  <i>Municipal data analytics and policy</i> <span style="float: right;">June 2016 – May 2017</span>  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.</p> <p><b>Harvard University</b>  <b>Berkman Center for Internet &amp; Society</b> <span style="float: right;">Data governance fellow</span>  <i>Best practices for municipal data governance</i> <span style="float: right;">January 2016 – August 2017</span>  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.</p> <p><b>University of Chicago</b>  <b>Data Science for Social Good</b> <span style="float: right;">Research fellow</span>  <i>Data science for urban revitalization</i> <span style="float: right;">June 2014 – August 2014</span>  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.</p> <p><b>City of New Haven</b>  <b>Department of Transportation</b> <span style="float: right;">Policy intern</span>  <i>Improving parking technology and policy</i> <span style="float: right;">May 2013 – May 2014</span>  Coordinated the adoption of new smartphone payment technology in parking meters throughout New Haven. Updated parking regulations to reduce congestion and aid economic development.</p>	

## Yale University

### Design for America

*Creating artistic bike racks*

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.

Team founder and leader  
September 2012 – May 2014

## TALKS

2023

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  
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  
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

National Book Foundation Science + Literature Selection Committee (2022–2023)  
Electronic Privacy Information Center (EPIC) Advisory Board (2022–Present)  
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 Conference on Fairness, Accountability, and Transparency (FAccT) 2019–2023  
AAAI/ACM Conference on AI, Ethics, and Society (AIES) 2023  
AAAI Conference on Human Computation and Crowdsourcing (HCOMP) 2022  
Hybrid Human-Artificial Intelligence Conference (HHAI) 2022, 2023  
Black in AI (NeurIPS workshop) 2018–2022  
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, 2023)  
ACM CHI (2020, 2023)  
Oxford University Press  
University of Toronto Press  
Polity Books  
Information, Communication & Society (2x)  
Communications of the ACM  
Internet Policy Review  
Patterns  
NeurIPS Ethics Reviews (2021, 2022, 2023)  
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