

Ben Green

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APPOINTMENTS	University of Michigan Postdoctoral Scholar, Society of Fellows Assistant Professor, Gerald R. Ford School of Public Policy	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 AI Now Institute at New York University Research Fellow	2018–Present 2016–2018 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	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)	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.	
REFEREED PAPERS	Ben Green. “The False Promise of Risk Assessments: Epistemic Reform and the Limits of Fairness.” <i>Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAT*)</i> . 2020. Ben Green and Salomé Viljoen. “Algorithmic Realism: Expanding the Boundaries of Algorithmic Thought.” <i>Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (FAT*)</i> . 2020. Ben Green and Yiling Chen. “The Principles and Limits of Algorithm-in-the-Loop Decision Making.” <i>Proceedings of the ACM on Human-Computer Interaction</i> , 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* 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* 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

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

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.

POLICY REPORTS

Kate Crawford, Roel Dobbe, Theodora Dryer, Genevieve Fried, Ben Green, Elizabeth Kaziunas, 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

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	UM Public Policy 474: Policy and Politics of Government Algorithms	Spring 2021
ADVISING	<p>Sam Mikell (Senior Thesis, University of Michigan) 2020–2021 Rebecca Ackerman (Independent Study, University of Michigan) Fall 2020 Paul Nebres (Senior Thesis, Harvard University) 2019–2020</p>	
OTHER TEACHING	<p>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</p>	
MEDIA COVERAGE	<p>The New York Times, The Wall Street Journal, Boston Review, Wired, CityLab, Slate, NPR, Government Technology, Huffington Post, Science, 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>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	

TALKS

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 Information Law Institute
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 Organizing:
ACM Conference on Fairness, Accountability, and Transparency (FAccT) Doctoral Consortium
Co-chair
The Future of IoT in Cities (Harvard Law School, 2016)
Best Practices in Municipal Open Data Management (Harvard Law School, 2016)

Program Committee:
ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2019, 2020, 2021
Black in AI (NeurIPS workshop) 2018, 2019, 2020
International ACM Web Science Conference (WebSci) 2019
Debugging Machine Learning Models (ICLR workshop) 2019
Mechanism Design for Social Good (EC workshop) 2019

Reviewing:
MIT Press (3x)
Big Data & Society (2x)
Journal of Urban Affairs
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)
2020
ACM Conference on Human Factors in Computing Systems (CHI) 2020
Online Information Review
AI & Society
Data Mining and Knowledge Discovery
npj Digital Medicine
Open Data Research Symposium