Linkedin: https://www.linkedin.com/in/daniel-schiff/

## RESEARCH INTERESTS

- Governance of artificialintelligence
- Social and ethical implications of technology
- Theories of the policy process
- Technology policy

PROFESSIONAL APPOINTMENTS

| 2022 - Present | Purdue University, Department of Political Science |
| :---: | :---: |
|  | Assistant Professor of Technology Policy |
|  | Co-Director, Governance and Responsible AI Lab (GRAIL) |
| 2022-2023 | JP Morgan Chase \& Co. |
|  | Responsible AI Lead (Sr. Executive Director, on Industry Leave) |
| 2013-2017 | Philadelphia Education Fund |
|  | Director of Research, Evaluation, and Planning |
| EDUCATION |  |
| 2022 | Georgia Institute of Technology |
|  | PhD, School of Public Policy |
|  | Georgia Tech Institute Fellow; Georgia Tech President's Fellow |
|  | Research interests: Governance and Social Implications of Artificial Intelligence |
|  | Field: Science and Technology Policy; Minor: Quantitative Methods |
|  | Dissertation: Setting the Agenda: Actors, Issues, and Influence in U.S. Artificial |
|  | Intelligence Policy. Available at: https://doi.org/10.17605/OSF.IO/KW8XD |
| 2013 | University of Pennsylvania |
|  | Master of Science in Social Policy, School of Social Policy and Practice |
| 2012 | Princeton University |
|  | Bachelor of Arts in Philosophy; Certificate in Values \& Public life |
|  | Focus: Artificial intelligence, Ethics, and Robotics \& Intelligent Systems |
|  | Independent work: The Necessity of Sensory Perception for Machine Cognition thesis: The Ethics of Artificial Intelligence |

## PEER-REVIEWED JOURNAL ARTICLES

-Schiff, D. S. \& Schiff, K. J. (2023). Narratives and Expert Information in Agenda-Setting: Experimental Evidence on State Legislator Engagement with Artificial Intelligence Policy. Policy Studies JOURNAL. HTTPS://ONLINELIBRARY.WILEY.COM/DOI/FULL/10.1111/PSJ. 12511

- Schiff, D. S. (2023). Looking through a policy window with tinted glasses: Setting the agenda for U.S. AI policy. Review of Policy Research. https://dol.org/10.1111/ROPR. 12535
- O’Shaughnessy, M., Schiff, D. S., Varshney, L. R., Rozell, C. J., \& Davenport, M. A. (2023). What governs attitudes towards artificial intelligence adoption and governance? Science and Public POLICY, 50(2), 161-176. HTTPS://DOI.ORG/10.1093/SCIPOL/SCAC06
- Schiff, D. Education for Al, not Al for Education: AI, Education, and Ethics in National Ai Policy Strategies. (2022). International Journal of AI in Education, 32, 527-563. HTTPS://DOI.ORG/10.1007/S40593-021-00270-2
- Nazareno, L. \& Schiff, D. The impact of Automation and Artificial Intelligence on Worker Well-being. (2021). TECHNOLOGY IN SOCIETY, 67. HTTPS://DOI.ORG/10.1016/J.TECHSOC.2021.101679
- Schiff, D. S., Schiff, K. J., \& Pierson, P. (2021). Assessing public value failure in government adoption of artificial intelligence. Public Administration, 110(1), 70-91. HTTPS://DOI.ORG/10.1111/PADM. 12742
- Schiff, D., Bogdana, R., Ayesh, A., Fanta, A., \& Lennon, M. (2021). Explaining the Principles to Practices Gap in Al. Ieee Technology \& Society Magazine, 40(2), 81-94. HTTPS://DOI.ORG/10.1109/MTS.2021.3056286
- Schiff, D., Borenstein, J., LaAs, K, \& Biddle, J. (2021). Al Ethics in the Public, Private, and NGO Sectors: A Review of a Global Document Collection. IEeE Transactions on Technology and SOCIETY, 2(1), 31-42. HTTPS://DOI.ORG/10.1109/TTS.2021.3052127
- Schiff, D., logevall, E., Borenstein, J., Newstetter, W., Potts, C., \& Zegura, E. (2020). Linking personal and professional social responsibility development to microethics and macroethics: Observations from early undergraduate education. Journal of Engineering Education, 110(1), 70-91. HTTPS://DOI.ORG/10.1002/JEE. 20371
- Schiff, D. (2020). Out of the Laboratory and Into the Classroom: The Future of Al in Education. Al \& SOCIETY, 36(1), 331-348. HTTPS://DOI.ORG/10.1007/s00146-020-01033-8
- Schiff, D., Herzog, L., Farley-Ripple, E., \& Iannuccilli, L. T. (2015). Teacher networks in Philadelphia: Landscape, engagement, and value. Penn Gse perspectives on Urban Education, 12(1). HTTPS://ERIC.ED.GOV/?ID=EJ1056676
- Kang, Z. T., Wagner, B. K., Parrish, J., Schiff, D., \& Summers, C. J. (2007). Enhancement of white luminescence from Sinx films by surface roughening. Nanotechnology, 18(41), 415709. HTTPS://DOI.ORG/10.1088/0957-4484/18/41/415709


## PEER-REVIEWED CONFERENCE PAPERS

- Kreth, Q., Schiff, D. S., Lee, J., Borenstein, J., \& Zegura, E. (2022). Social Responsibility Attitudes Among Undergraduate Computer Science Students: An Empirical Analysis. 2022 ASEe Annual Conference \& Exposition. (Best paper award.)
- Schiff, D., Bogdana, R., Ayesh, A., Fanta, A., \& Lennon, M. (2020). Principles to Practices for Responsible AI: Closing the Gap. European Conference on AI. Available at HTTP://ARXIV.ORG/ABS/2006.04707.
- Schiff, D., Ayesh, A., Musikansi, L., \& Havens, J. C. (2020). Ieee 7010: A New Standard for Assessing the Well-being Implications of Artificial Intelligence. IEEE International Systems, Man, and Cybernetics Conference, 2745-2753. https://dol.org/10.1109/MTS.2021.3056286
- Schiff, D., Biddle, J., Borenstein, J., and Laas, K. (2020). What's Next for Al Ethics, Policy, and Governance? A Global Overview. Proceedings of the 2020 AAAI/ACM Conference on Al, Ethics, and Society, 153-158. https://DOI.org/10.1145/3375627.3375804
- Narvilkar, M., Mangiameli, J., Garcia, A., Ismail, A., Schiff, D., Schechter, D. Chen, J., bhat, K., WongVillacres, M., Vasudeva, A., Ramesh, A., Dye, M., Karusala, N. Singh, P., Murthy, S., Gupta, S. Lakshmi, U. Kumar, N. (2019). Bringing Shades of Feminism To Human-Centered Computing. Extended Abstracts of the 2019 CHI Conference on Human factors in Computing Systems, 1-12. HTTPS://DOI.ORG/10.1145/3290607.3310419
- Schiff, D., Murahwi, Z., Musikanski, L., \& Havens, J. C. (2019). A New Paradigm for Autonomous and Intelligent Systems Development: Why Well-being Measurement Matters. ACM CHI Conference on human factors in Computing Systems, workshop on Digital Well-being, Glassgow, UK. Available AT HTTPS://DIGITALWELLBEINGWORKSHOP.FILES.WORDPRESS.COM/2019/04/02WELLBEING MEASUREMENT SCHIFF MURAHWI MUSIKANSKI HAVENS.PDF


## BOOK CHAPTERS

- Schiff, D. S., \& Rosenberg-Kima, R. Al in Education: Landscape, Vision, and Critical Ethical Challenges in the 21st Century. (Forthcoming 2024).
- Schiff, D., LaAs, K, Biddle, J., \& Borenstein, J. (2022). Global Al Ethics Documents: What They Reveal About Motivations, Practices, and Policies. In K. Laas, M. Davis, \& E. Hildt (Eds.), Codes of Ethics and Ethical Guidelines, emerging Technologies, Changing Fields. Springer.


## ADDITIONAL PUBLICATIONS

- Schiff, K. J., Schiff, D., \& Bueno, N. S. 10 Things to Know About Pilot Studies. Evidence in Governance
and Politics. available at https://egap.org/resource/10-things-to-know-about-pilot-studies
- Schiff, D. \& Borenstein, J. (2019). How Should Clinicians Communicate With Patients About the Roles of Artificially Intelligent Team Members? AMA Journal of Ethics, 21(2), n2. 10.1001/AMAJETHICS. 2019.138


## WORKING PAPERS AND PROJECTS

- Ganz, S. \& Schiff, D. Subcoalition Cluster Analysis: A New Method for Measuring Political Conflict in Organizations. (Under revision). Working paper: https://osf.io/preprints/socarxiv/5kufg/
- Schiff, K. J., Schiff, D., \& Bueno, N. S. The Liar’s Dividend: How False Allegations of Deepfakes and Fake News Pay Off. (Under revision). Pre-analysis plan: https://osf.io/Qpxr8
- Schiff, D., Lee, J., Borenstein, J., \& Zegura, E. The Impact of Community Engagement on Undergraduate Social Responsibility Attitudes. (Under revision).
- Schiff, K. J., Schiff, D. S., Adams, I. T., McCrain, J., \& Mourtgos, S. M. Institutional Factors Driving Citizen Perceptions of Al in Government: Evidence from a Survey Experiment on Policing. (Under revision). Pre-analysis plan: https://dol.org/10.17605/OSF.IO/5MRWB
- Adams, I. T., McCrain, J., Schiff, D. S., Schiff, K. J., \& Mourtgos, S. M. Patrolling the Police: Experimental Evidence on Police Executives' Support for Oversight. (Under review). Pre-analysis PLAN: HTTPS://DOI.ORG/10.31235/OSF.IO/MDU96
- Schiff, D. S., Kelley, S., \& Ibáñez, J. C. The Emergence of Artificial intelligence Ethics Auditing. (Under review).
- Schiff, D. S. Is Technology Governance Changing? Framing Contestation and Public Participation in U.S. AI Policy.
- Influences and Inhibitors in Undergraduate Social Responsibility Development.


## CONFERENCE PRESENTATIONS

- Schiff, D. \& Lee, J. (2022, November 19). Influences and Inhibitors in Undergraduate Social Responsibility Development: Evidence from a Mixed-Methods Longitudinal Study. Fall Research Conference of the American Association for Public Policy Analysis and Management.
- Schiff, D. \& Schiff, K. J. (2022, September 17). Reason and Passion in Agenda-Setting: Experimental Evidence on State Legislator Engagement with Al Policy. Annual Meeting of the American Political Science Association.
- Schiff, D. S. (2022, July 30). Education for AI, not Al for Education: The Role of Education and Ethics in National Ai Policy Strategies. International Conference on Artificial Intelligence in Education.
- Schiff, D. (2022, March 28). Setting the Agenda for Artificial Intelligence Policy: Issue Frames in Public and Policy Discourse. fall Research Conference of the American Association for Public Policy Analysis and Management.
- Schiff, D. \& Schiff, K. J. (2022, March 28). Does Reason or Passion Drive Agenda-Setting for Al Policy? Evidence from a Field Experiment. Fall Research Conference of the American Association for Public Policy Analysis and Management.
- Schiff, D. \& Lee, J. (2022, February 25). Influences and Inhibitors in Undergraduate Social Responsibility Development: Evidence from a Mixed-Methods Longitudinal Study. Annual Conference of the Association for Practical and Professional Ethics.
- Schiff, D., Schiff, K. J., \& Bueno, N. S. (2021, October 1). The Liar's Dividend: How Misinformation About Misinformation Pays Off. Annual Meeting of the American Political Science Association.
- Schiff, D. \& Schiff, K. J. (2021, July 21). Reason and Passion in Agenda-Setting: Influence Dynamics in Al Policy. Elites \& Experiments Conference, virtual.
- Schiff, D., Schiff, K. J., \& Bueno, N. S. (2020, November 12). The Liar's Dividend: How Misinformation About Misinformation Affects Politician Support and Trust in Media. fall Research Conference of the American Association for Public Policy Analysis and Management.
- Schiff, D. (2020, October 13). IEEE 7010: A New Standard for Assessing the Well-being Implications of Artificial Intelligence. IEEE International Systems, Man, and Cybernetics Conference.
- Schiff, D., Bogdana, R., Ayesh, A., Fanta, A., \& Lennon, M. (2020, September 7). Principles to Practices
for Responsible AI: Closing the Gap. European Conference on Al, Workshop on Al for Equity.
- Schiff, D., Schiff, K. J., \& Pierson, P. (2020, June 11). How Issues of Bias, Transparency, and Agency Affect Citizen Support for Al in Government Services. Conference of the American Association for Public Opinion research.
- Schiff, K. J. \& Schiff, D. (2020, June 11). The Liar’s Dividend: The Impact of Deepfakes and Fake News on Politician Support and Trust in Media. Harvard Experimental PolSci Conference.
- Schiff, D., Biddle, J., Borenstein, J., and Laas, K. (2020, february 9). What's Next for Ai Ethics, Policy, and Governance? A Global Overview. aAai/acm Conference on al, ethics, and Society, ny, ny.
- Schiff, D., Schiff, K. J., \& Pierson, P. (2020, January 9). How Issues of Bias, Transparency, and Agency Affect Citizen Support for Al in Government Services. Conference of the Southern Political Science Association, San Juan, Pr.
- Schiff, D. \& Joyner, D. (2019, October 4). Designing Technology for Online Adult Education. Panel session at American Psychological Association, Technology, Mind, \& Society Conference, Washington, D.C.
- Schiff, D. (2019, January 25). Out of the Laboratory and Into the Classroom: The Future of Artificial Intelligence in Education. Ivan Allen Conference, Georgia Institute of Technology, Atlanta, ga.
- Schiff, D., Herzog, L., \& Farley-Ripple, E. (2015, April 19). Teacher networks in Philadelphia: landscape, engagement, and value. American educational Research Association, Chicago, il
- Schiff, D. (2015, February 28). Teacher networks in Philadelphia: The current landscape. Presentation at Grow in Greater Philly, Philadelphia, PA.


## POSTER PRESENTATIONS

- Wiese, L., Schiff, D., and Magana, A. (2023, May 18). Being Proactive for Responsible Al: Analyzing Multiple Sectors for Innovation via Systematic Literature Review. Poster session presented at IEEE-ETHICS 2023, Purdue University, in.
- Schiff, D., LaAs, K., Borenstein, J., and Biddle, J. (2020, January 27). What's Next for Al Ethics, Policy, and Governance? A Global Overview. Poster session presented at CridC Conference, Georgia Institute of Technology, Atlanta, GA.
- Schiff, D. \& Nazareno, L. (2019, November 7). How Automation and Al Affect Worker Well-Being: Looking Beyond Displacement and Wages. Poster session presented at the Fall Research Conference of the Association for Policy Analysis and Management, Denver, CO.
- Schiff, D. \& Nazareno, L. (2019, October 14). Beyond Labor Displacement: The impact of Automation and Al on Worker Well-being. Poster session presented at Atlanta Conference on Science and technology Policy, Atlanta, GA.
- Ganz, S. \& Schiff, D. (2018, October 26). Identifying Political Coalitions in the Baseball Writers Association: An agony-based approach. Poster session presented at CridC Conference, Georgia Institute of Technology, Atlanta, GA.
- Herzog, L. \& Schiff, D. (2014, April 8). Teacher networks in Philadelphia: The current landscape. Poster session presented at the Mid-Atlantic Regional Educational Laboratory Research, Policy and Practice Conference, Philadelphia, PA.
- Schlesinger, K., Schiff, D., \& Robertson-Kraft, C. (2014, April 6). Design and implementation of a Student Growth Objective system for educators in non-core subjects. Poster session presented at the meeting of the American Educational Research Association, Philadelphia, Pa.


## INVITED TALKS, PANELS, AND PUBLIC ENGAGEMENT

- Schiff, D. (2023, August). Where do we stand with ai policy? Debates, dilemmas, and decisions. Invited keynote speaker for 2023 ACM Sigkdd: Al for Open Society, Long Beach, CA.
- Schiff, D. (2023, July). Issues in Al and economic development: labor, human resources, and education. Presentation to Crawfordsville Economic Development Forum, Crawfordsville, in.
- Schiff, D. (2023, July). Responsible Ai in consumer insights. Invited speaker for insight extravaganza 2023.
- Schiff, D. (2023, May). How will AI impact worker well-being? Beyond harmful substitution and beneficial complementarity. Invited speaker for 2023 IE EE ETHICS Workshop on Norbert Wienerin the $21^{\text {st }}$ Century: The Future of Work in the Age of Automation, Purdue University, in.
- Schiff, D. (2023, May). Perspectives from Liberal Arts on the Practical Turn in Al Ethics. Moderator for IEEE-ETHICS, Purdue University, in.
- Schiff, D. (2023, May). Careers in Technology Ethics. Panelist for IEEE-ETHicS, Purdue University, in.
- Schiff, D. (2022, September 27). Can We Standardize AI Ethics? Insights from IEEE 7010-2020 and USeu al Governance Efforts. Congreso Internacional en Normalización, Estándares y Calidad Universitaria (Cinecu), Madrid, Spain.
- Schiff, D. (2022, October 27). Al Ethics and Governance: Emerging Questions and Career Pathways. Invited Speaker for Duke University, Science \& Society, Durham, NC.
- Schiff, D. (2022, June 28). Policy, ethics, social science careers in AI. Invited Speaker for Al4ALL, Columbia University, NY, NY.
- Schiff, D. (2021, June 9). The Impact of Artificial Intelligence/robots on Education. Invited panelist at Global Conference on Education and Research, University of South Florida.
- Schiff, D. (2020, March). Al Ethics and Policy: America's Place in Global Al Governance. Presentation to Foreign Policy Association, Great Decisions series, Atlanta, GA.
- Schiff, D., \& Topor, L. (2020, January 10). Politics, Big Data, and New Technology: The State of the Field. Panel discussant at Southern Political Science Association, San Juan, PR.
- Schiff, D. (2019, September 5). Preparing Georgia Stakeholders for the Al Revolution. Presentation to Science, Technology, and innovation Policy Program, Atlanta, GA.
- Schiff, D. (2016, May 18). Philadelphia education funding or the lack thereof. Presentation to Repair the World, Philadelphia, PA.


## PROFESSIONAL AFFILIATIONS

Co-Director, Governance and Responsible AI Lab (GRAIL)
Steering Committee member, Purdue Institute for Physical Ai (IPAI)

## Memberships

American Political Science Association
Association for the Advancement of Artificial Intelligence
Association for Practical and Professional Ethics
Association for Public Policy Analysis and Management
Institute of Electrical and Electronics Engineers
International Artificial Intelligence in Education Society
Midwestern Political Science Association

## ACADEMIC AND PROFESSIONAL SERVICE

## Reviewer:

ACM Engage CSEdu (2023)
Al and Ethics (2021)
AI \& Society (2021, 2022)
American Medical Association Journal of Ethics (2020)
American Psychologist (2023)
Applied Al Letters (2021)
Big Data \& Society $(2021,2022,2023)$
Data \& Policy (2022)
Discover Artificial Intelligence $(2022,2023)$
Frontiersin Human Dynamics (2021)
International Journal of Artificial Intelligencein Education (2020, 2021, 2022 )
International Journal of Community Well-being (2020)
International Journal of Human-Computer Interaction (2022)
Journal of Artificial Intelligence Research (2021)
Journal of Business Ethics $(2020,2021,2022)$
Journal of Educational Data Mining (2022)
Journal of Engineering Education (2021)
Journal of Public Administration Research and Theory $\mathbf{( 2 0 2 0 , 2 0 2 1 )}$
Postdigital Science and Education (2022)
Public Administration $(2021,2022)$

Public Administration Review $(2020,2021,2023)$
Regulation \& Governance (2023)
Research Policy (2021)
Review of Policy Research (2023)
NSF TIP (2023)
Science and Engineering Ethics $(2021,2022,2023)$
Social Science Research (2023)
Switzerland NSF (2023)

## Program Committees and Conference Activities:

ACM Conference on Fairness, Accountability, and Transparency (2023)
AAAI/ACM Conference on AI, Ethics, and Society (2023)
Artificial Intelligence for Education track for $28^{\text {th }}$ ACM/SigAPP conference (2023)
Politics of Emerging Technology Mini-Conference (2023)
CAIP'21: Towards Sustainable AI (2021)
Special Issue on Al for People for Al \& Society (2021)
Co-Chair, Special session on Human Well-being in the Context of Autonomous and Intelligent
Systems, iee international Systems, Man, \& Cybernetics Conference (2020)

## Additional Service Activities:

| 2016 - Ongoing | Young Professionals Council, Field Center for Children’s Policy, Practice \& Research, University of Pennsylvania |
| :---: | :---: |
| 2020-2022 | Student IRb Member, Georgia Institute of Technology Central irb |
| 2018-2020 | Secretary, ieee 7010-2020: Recommended Practice for Assessing the Impact of Autonomous and Intelligent Systems on Human Well-being |
| 2018-2019 | Member, IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems Policy and Well-being Committee member for Ethically Aligned Design |
| 2018-2019 | Co-Chair, Alumni Association, Univ. of Pennsylvania M.S. in Social Policy |

AWARDS AND HONORS
William H. Read Award, Outstanding Graduate Student in Public Policy (\$1000), 2022.
Best paper award for American Society for Engineering Education Engineering Ethics Division, best paper for Professional Interest Council 1, finalist for best overall paper, 2022.
nSF Ethical and Responsible Research (ER2) Grant No. 2124745, Broadening Participation in Computing Ethics Curriculum Development, 2021-24 (\$400,000)
Georgia Institute of Technology Institute Fellowship, 2017-21 (\$10,000)
Georgia Institute of Technology President's Fellowship, 2017-21 (\$20,000)
Ivan Allen Liberal Arts Graduate Essay Competition, Winner, 2021 (\$1500); Runner-up, 2019 (\$1000)
James D. Foley GVU Graduate Student Award, foley Scholars Finalist, 2020
CridC Graduate Student Conference Graduate Poster Competition, Provost's Award, 2020 ( $\$ 2000$ )
Enterprise innovation Institute, Science Technology and Innovation Policy Award, 2019 ( $\$ 6000$ )
Princeton University Center for Human Values Summer Research Grant, 2011 (\$700)
TEACHING EXPERIENCE
2023 POL 120: Introduction to Public Policy
College of Liberal Arts, Purdue University, West Lafayette, in
2020 CS 4001: Computing \& Society, instructor of Record (Syllabus)
College of Computing, Georgia institute of Technology, Atlanta, ga
2020

2017
"Tech to Teaching" Certificate, Teaching program for future faculty Georgia Institute of Technology Center for Teaching and Learning
PUBP 3120: Statistical Analysis for Public Policy, Teaching assistant
School of Public Policy, Georgia institute of Technology, Atlanta, GA

GAFL 703: Statistics for Public Leadership, Teaching assistant
Fels Institute of Government, University of Pennsylvania, Philadelphia, Pa

| Chee Hae Chung | Postdoctoral Fellow, Seoul National University |
| :---: | :---: |
| lucas Wiese | PhD student, Purdue University (Dissertation Co-Chair) |
| Indira Patil | PhD student, Purdue University (Ross Fellowship Mentor) |
| Ogadinma Enwereazu | PhD student, Purdue University |
| Christina Walker | PhD student, Purdue University |
| Michael Piseno | MS student, Stanford University |
| Adam Hafez | Undergraduate student, Purdue University |
| Haneen Azhar | Undergraduate student, Minerva University |
| Markian Hromiak | Undergraduate student, Georgia Institute of Technology |
| ADDITIONAL PROFESSIONAL EXPERIENCE |  |
| 2018-2022 | Social Responsibility of Stem Students, Georgia Institute of Technology |
|  | Research Assistant for PI Dr. Colin Potts for NSF CCE Stem Grant No. 1158863. |
|  | Perform mixed-methods research assessing development of social responsibility in college students for NSF Cultivating Communities for Ethical STEM grant |
| 2018 | Ethically Contentious Science, Georgia Institute of Technology |
|  | Research Assistant for PI Dr. Aaron Levine for NSF CAREer Grant No. 1150114. |
|  | research on graduate student participation in ethically contentious fields |

## ADDITIONAL COURSEWORK

University of Michigan: Online courses in Python databases and data structures
2017
Johns Hopkins University: Online Course in r Programming
2010
Georgetown University: International relations and public diplomacy program

