

Erhardt Graeff

Franklin W. Olin College of Engineering, 1000 Olin Way, Needham, MA 02492

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APPOINTMENTS

Associate Professor of Social and Computer Science | Sep 2023 – present

Assistant Professor of Social and Computer Science | Sep 2018 – Aug 2023

Interim Director of Affordable Design and Entrepreneurship | Sep 2022 – Dec 2022

Franklin W. Olin College of Engineering, Needham, MA

EDUCATION

Massachusetts Institute of Technology, Cambridge, MA

Ph.D. Media Arts and Sciences, June 2018

S.M. Media Arts and Sciences, September 2014

University of Cambridge, Cambridge, UK

M.Phil. Modern Society and Global Transformations, July 2008

Rochester Institute of Technology, Rochester, NY

B.S. International Studies, May 2007

B.S. Information Technology, May 2006

PUBLICATIONS

Refereed Journal and Conference Papers

- 2021. **Graeff, E.** & Wood, Alison. "Undergraduate Engineering as Civic Professionalism." *The Good Society*, 30, no. 1: 76–95.

- 2020. Chowdhary, S, Daitzman, S, Eisenbud, E, Pan, E & **Graeff, E.** "Care and Liberation in Creating a Student-Led Public Interest Technology Clinic ." *IEEE International Symposium on Technology and Society*, Tempe, Arizona, Nov 12–15. (Co-authored with students)

- 2014. **Graeff, E.** Stempeck, M, & Zuckerman, E. "The Battle for "Trayvon Martin": Mapping a Media Controversy Online and Off-line." *First Monday*, 19, no. 2.

2014. **Graeff, E.** "Tweens, Cyberbullying, and Moral Reasoning: Separating the Upstanders from the Bystanders." In Robinson, L, Cotten, SR, & Schulz, J, eds., *Doing and Being Digital: Mediated Childhoods*. Bingley, UK: Emerald Group Publishing Ltd. (Won Outstanding Author Contribution award in Studies in Media and Communications, Emerald Literati Network, 2015)
2011. Lotan, G, **Graeff, E**, Ananny, M, Gaffney, D, Pearce, I & boyd, d. "The Revolutions Were Tweeted: Information Flows during the 2011 Tunisian and Egyptian Revolutions." *International Journal of Communication*, 5.

Edited Volume and Encyclopedia Chapters

2023. **Graeff, E.** "Locating Empowerment and Technical Intuition in how we frame U.S. Civic Education." In Haste, H & Bempechat, J, eds., *New civics, new citizens: Critical, competent and responsible agents*. Leiden, Netherlands: Brill.
2019. **Graeff, E.** "Everyone Should Be Involved in Designing, Implementing, and Evaluating Digital Surveillance Technology." In Levinson, M & Fay, J, eds., *Democratic Discord in Schools: Cases and Commentaries in Educational Ethics*. Cambridge, MA: Harvard Education Press.
2019. **Graeff, E.** "Monitorial Citizenship." In Hobbs, R & Mihailidis, P, eds., *International Encyclopedia of Media Literacy Education*. Hoboken, NJ: Wiley-Blackwell.
2016. **Graeff, E.** "Youth Digital Activism." *World Youth Report 2015: Youth Civic Engagement*. United Nations: New York, NY.
2016. **Graeff, E.** "Strike Debt and the Rolling Jubilee: Building a Debt Resistance Movement." In Gordon, E & Mihailidis, P, eds., *Civic Media Reader*. Cambridge, MA: MIT Press.
2015. **Graeff, E.** "Binders Full of Election Memes: Participatory Culture invades the 2012 U.S. Election." In Gordon, E & Mihailidis, P, eds., *Civic Media Project*.
2008. Ray, A & **Graeff, E.** "Reviewing the Author-function in the Age of Wikipedia." In Eisner, C & Vicinus, M, eds., *Originality, Imitation, and Plagiarism: Teaching Writing in the Digital Age*. Ann Arbor: University of Michigan Press, pp. 39–47.

Theses

2018. **Graeff, E.** "Evaluating Civic Technology Design for Citizen Empowerment." Ph.D. Thesis, Massachusetts Institute of Technology. (Won Best Dissertation Award, Association of Internet Researchers, 2019)
2014. **Graeff, E.** "Action Path: A Location-Based Tool for Civic Reflection and Engagement." S.M. Thesis, Massachusetts Institute of Technology.
2008. **Graeff, E.** "Rural Internet Use and the Strengthening of Weak Ties." M.Phil. Thesis, University of Cambridge. (Earned First Class mark)

Non-refereed Journal and Conference Papers

2021. Chowdhary, S, Daitzman, S, Eisenbud, E, Pan, E & **Graeff, E.** "Care and Liberation in Creating a Student-Led Public Interest Technology Clinic ." *IEEE Technology and Society Magazine*, 40(3), 50–52. (Co-authored with students)
2020. D'Ignazio, C, **Graeff, E**, Harrington, CN & Rosner, DK. "Toward Equitable Participatory Design: Data Feminism for CSCW amidst Multiple Pandemics." In *Conference Companion Publication of the 2020 on Computer Supported Cooperative Work and Social Computing*, 437–45. CSCW '20 Companion. New York, NY, USA: Association for Computing Machinery.
2020. Saxena, D, **Graeff, E**, Guha, S, Cheon, E, Reynolds-Cuéllar, P, Walker, D, Becker, C & Fleischmann, KR. "Collective Organizing and Social Responsibility at CSCW." In *Conference Companion Publication of the 2020 on Computer Supported Cooperative Work and Social Computing*, 503–9. CSCW '20 Companion. New York, NY, USA: Association for Computing Machinery.
2020. **Graeff, E.** "The Responsibility to Not Design and the Need for Citizen Professionalism." *Computing Professionals for Social Responsibility: The Past, Present and Future Values of Participatory Design*.
2019. **Graeff, E.** "Empowerment is not simply a Goal, but Civic Technology still needs it as one." CSCW 2019 Workshop on Design and the Politics of Collaboration: A Grassroots Perspective.

- 2019. **Graeff, E.** "Fostering the Good, Responsible Technologist to Face any Dilemma." CHI 2019 Workshop on CHI4Evil: Creative Speculation on the Negative Effects of HCI Research.
- 2019. **Graeff, E.** "How Silicon Valley Can Support Citizen Empowerment." Scholars Strategy Network, Mar 15.
- 2018. **Graeff, E.** "The Need for Empowerment-based Design in Civic Technology." Presented at Internet, Politics, and Policy 2018: Long Live Democracy?, Oxford Internet Institute, Oxford, UK, Sep 21.
- 2015. **Graeff, E & Matias, JN.** "Making Drones Civic: Values and Design Principles for Civic Technology." Presented at the International Studies Association's 56th Annual Convention, New Orleans, LA, Feb 20.
- 2014. **Graeff, E.** "Crowdsourcing as Reflective Political Practice: Building a Location-based Tool for Civic Learning and Engagement." Presented at Internet, Politics, and Policy 2014: Crowdsourcing for Politics and Policy, Oxford Internet Institute, Oxford, UK, Sep 26.
- 2014. **Matias, JN, Agapie, E, D'Ignazio, C, & Graeff, E.** "Challenges for Personal Behavior Change Research on Information Diversity." CHI 2014 Workshop on Personalizing Behavior Change Technologies.
- 2013. **Graeff, E.** "What We Should Do Before the Social Bots Take Over: Online Privacy Protection and the Political Economy of Our Near Future." Presented at Media in Transition 8: Public Media, Private Media, MIT, Cambridge, MA, May 5. (Won MIT Benjamin Siegel Prize in Science, Technology, and Society, 2014)
- 2008. **Graeff, E.** "One Laptop per Digital Divide?" *Cambridge University International Development: Vision*, 7 (Technology & Development), pp. 16–18.

Book Reviews

- 2019. **Graeff, E.** "Accepting The Journey of Transformation: A Review of Adrienne Maree Brown's Emergent Strategy: Shaping Change, Changing Worlds (AK Press, 2017)." *Unmediated*, vol. 2, p. 130.

2017. **Graeff, E.** "Tim Highfield, Social Media and Everyday Politics." *International Journal of Communication*, 11.

Reports, White Papers, and Essays

2009. Rossini, C & **Graeff, E.** "A Brief Overview of U.S. Public Policy on OER from California's Community Colleges to the Obama Administration." *The Publius Project at the Berkman Center for Internet & Society at Harvard University*.
2009. **Graeff, E** with Woodworth, S. "Afghanistan and its Election on Twitter: The Macro Picture." *Web Ecology Project*.
2009. Kim, E, Gilbert, S, with Edwards, MJ & **Graeff, E.** "Detecting Sadness in 140 Characters: Sentiment Analysis and Mourning Michael Jackson on Twitter." *Web Ecology Project*.
2009. (Various Authors). "Reimagining Internet Studies: A Web Ecology Perspective." *Web Ecology Project*.

AWARDS

- Best Dissertation Award, Association of Internet Researchers, 2019
- Outstanding Author Contribution award in Studies in Media and Communications, Emerald Literati Network Awards for Excellence, 2015
- Berkman Center for Internet & Society Fellowship, Harvard, 2014 – 2015
- Benjamin Siegel Prize in Science, Technology, and Society, MIT, 2014
- New Leaders Council Fellowship, 2010

FUNDING

- Gardiner Howland Shaw Foundation, \$20,000, 2023, "Long Motion Data Tools Project" (PI)
- Kettering Foundation, \$15,000, 2022–2023, Cooperative agreement to research "citizen engineering and related concepts" (Independent Contractor)
- Gardiner Howland Shaw Foundation, \$20,500, 2022, "Long Motion Data Tools Project" (PI)
- Olin College Integrated Project Fund, ~\$10,000, 2022, "Defining Civic Learning Objectives for Undergraduate Engineer" (PI)
- Olin College Integrated Project Fund, ~\$5,500, 2021, "Accessible Learning in ADE" (Co-PI; Ben Linder, PI)

- Public Interest Technology University Network Year 2 Network Challenge, \$62,395, 2021, "Olin College Public Interest Technology Clinic Summer Fellowship Program" (PI)
- Kettering Foundation, \$5,000, 2020–2021, Cooperative agreement "to contribute to the Foundation's research on the pedagogy of civic professionalism" (Independent Contractor)
- Olin College Integrated Project Fund, ~\$5,500, 2020, "Democracy and Media: Developing an AHS Foundation Course on Civic Power and Professionalism" (PI)
- Olin College Integrated Project Fund, ~\$20,000, 2020, "ADE Curriculum Development" (Co-PI; Ben Linder, PI)
- Public Interest Technology University Network Year 1 Network Challenge, \$88,790, 2019 – 2020, "Olin College Public Interest Technology Clinic" (PI)
- BOW Presidential Innovation Grant, \$4,000, 2019 – 2020, "Intellectual Community Building through Reading, Discussion, and Public Guest Lectures"(Co-Investigator; Eni Mustafaraj, PI)
- Cambridge Overseas Trust, £2,500, 2007 – 2008, Scholarship

CONFERENCE PRESENTATIONS

2023. **Graeff, E.** "Educating Engineers for Civic-mindedness." Presented at the 14th *Symposium on Engineering and Liberal Education*, Union College, Schenectady, NY, Sep 23.
2023. **Graeff, E.** "Using Civic Professionalism to Frame Ethical and Social Responsibility in Engineering." Presented at the *2023 Forum on Philosophy, Engineering, and Technology (FPET2023)*, Delft, Netherlands, April 20.
2021. **Graeff, E & Wood, A.** "Civic Professionalism in Undergraduate Engineering." Presented at the *2021 AAC&U Virtual Conference on Transforming STEM Higher Education*, virtual, Nov 4.
2021. **Graeff, E & Chowdhary, S.** "Design Refusal as Public Interest Technology." Presented at *A Better Tech: Public Interest Technology Convention & Career Fair*, New York University, virtual, Oct 15. (Co-presented with students)
2021. **Graeff, E.** "Civic Professionalism in Undergraduate Computing." Presented at the *Teaching Responsible Computing Summit*, Mozilla Foundation, virtual, Jul 27.

2020. Wood, A, Martello, R, Chowdhary, S, Anderson, M & **Graeff, E**. "Engineering Education in the Public Interest." Presented at the 2nd (Virtual) Colloquium on the Global State of the Art in Engineering Education, Dec 1. (Co-presented with students)
2020. Chowdhary, S, Pan, E, Daitzman, S & **Graeff, E**. "Launching a Student-Run Public Interest Tech Initiative." Presented at the Public Interest Technology Undergraduate Informatics Education Conference, University of Texas, Austin, TX, Mar 3–4. (Co-presented with students)
2019. **Graeff, E** & Zomer, A. "Designing Social Impact Metrics for Civic Technology." Presented at TICTeC: The Impacts of Civic Technology Conference, Paris, France, Mar 20.
2018. **Graeff, E**. "The Rise of Monitorial Citizenship." Presented at the Connected Learning Summit, MIT Media Lab, Cambridge, MA, Aug 1.
2017. **Graeff, E**. "Designing for Monitorial Citizenship." Presented at TICTeC: The Impacts of Civic Technology Conference, Florence, Italy, Apr 26.
2016. **Graeff, E**. "Holding Civic Tech Accountable for Civic Learning." Presented at Digital Media and Learning Conference, University of California, Irvine, Oct 6.
2016. **Graeff, E**. "From User to Citizen: Evaluating Online Engagement as Civic Learning." Presented at TICTeC: The Impacts of Civic Technology Conference, Barcelona, Spain, Apr 28.
2015. **Graeff, E**. "Strike Debt & Rolling Jubilee: Building a Debt Resistance Movement." Presented for the The Civic Media Project: Citizens, Technologies & Learning in Digital Culture panel at Digital Media and Learning Conference, Los Angeles, CA, Jun 12.
2015. **Graeff, E**, Martinez, M, Nicholls, R, & Matias, JN. "Putting Youth, Community, and Learning at the Heart of Civic Technology." Presented at Digital Media and Learning Conference, Los Angeles, CA, June 11.
2014. **Graeff, E**. "Civic Technologies and Participatory Approaches to Civics Education." Pre-conference clinic for educators attending the National Council for the Social Studies Annual Conference, Boston, MA, Nov 20

2014. **Graeff, E.** Matias, JN, Rodriguez, G, Gunter, J, and Sandvik, L, & Gennarelli, V. "Learning Guides for Community Makers." Workshop presented at the Mozilla Festival, London, UK, Oct 26.
2014. **Graeff, E,** Darling, K, Hake, D, & Nelson, M. Panel: "Governing the Ungovernable: Algorithms, Bots, and Threats to Our Information Comfort-Zones." The 42nd Research Conference on Communication, Information and Internet Policy (TPRC42), George Mason University School of Law, Arlington, VA, Sep 12.
2014. **Graeff, E.** "The Battle for "Trayvon Martin": Mapping a Media Controversy Online and Off-line." Presented at Political Networks, McGill University, Montreal, QC, May 31.
2014. **Graeff, E.** "Action Path: A Location-based Tool for Civic Reflection and Engagement." Presented at Place, (Dis)Place and Citizenship, Wayne State University, Detroit, MI, Mar 22.
2014. **Graeff, E,** Barabas, C, Craig, H, & Hope, A. Panel: "Balancing Deep and Wide Impacts in the Design of Civic Tech." Digital Media and Learning Conference, Boston, MA, Mar 8.
2013. **Graeff, E.** "Designing Civic Apps with and for Youth." Workshop presented at the Mozilla Festival, London, UK, Oct 27.
2013. **Graeff, E.** "Binders Full of Election Memes: Expanding Political Discourse." Presented at the Digital Media and Learning Conference, Chicago, IL, Mar 14.
2013. **Graeff, E,** Bausola, D, Leavitt, A, & Marra, G. Panel: "Bots for Civic Engagement." South by Southwest, Austin, TX, Mar 11.
2012. **Graeff, E & James, C.** "Community Service, Social Entrepreneurship, and Digital Media: Stories from Youth's Civic Lives." Presented at the Digital Media and Learning Conference, San Francisco, CA, Mar 1.
2011. Davis, K & **Graeff, E.** "Cultivating Ethical Thinking among Digital Youth: Challenges and Opportunities." Presented at the Center for Character & Social Responsibility Spring Institute: Preparing Engaged Citizens, Boston University, Boston, MA, Apr 28.

2010. **Graeff, E** & James, C. "Solving the Problem of Studying New Forms of Participation On- and Offline." Presented at the Civic Studies, Civic Practices Conference, Jonathan M. Tisch College of Citizenship and Public Service, Tufts University, Medford, MA, Jul 3.

INVITED TALKS

2023. **Graeff, E.** "Civic Professionalism and Refusal to Design." Virtual talk to the Quinsigamond Community College / Worcester Polytechnic Institute Public Interest Technology Initiative, Mar 27.
2022. **Graeff, E,** Hanna, A, & Nafus, D. "Panel on How to Say No to Tech." Center for Ethics, Society, and Computing, University of Michigan, Nov 11.
2022. **Graeff, E,** Ochsendorf, J, Ladeji-Osias, K, & Trimble, K. "Panel on Design Education Requirements." Design Justice Pedagogy Summit, MIT Media Lab, Aug 26.
2021. **Graeff, E,** Duffield, W, Owona, J, & Epstein, R. "Plenary Panel on Social Media and Democracy." *Voices for the Future*, American Academy of Arts & Sciences and Stanford Center for Deliberative Democracy, virtual, Nov 6.
2021. Genatios, C, Taylor, C, Goodall, J, Guston, D, **Graeff, E,** & Fleischmann, K. Panel: "2020 Challenge Award Videos and Discussion: Round 1." Presented at the Public Interest Technology University Network 2021 Virtual Convening, Nov 2.
2021. **Graeff, E,** Cook-Deagan, R, Yow, R, & Eaves, D. Panel: "Experiential Opportunities and PIT Competencies." Presented at the Public Interest Technology University Network 2021 Virtual Convening, Nov 1.
2021. **Graeff, E,** Joshi, A, Ruvolo, P, & Vanasupa, L. Panel: "PITFalls." Hosted by PlnT, Olin College of Engineering, Oct 22.
2020. **Graeff, E.** "The Responsibility to Not Design and the Need for Civic Professionalism." BOW Big Ideas, Wellesley, MA, Dec 16.
2020. Cumiskey, K, Garvin, L, **Graeff, E,** & Johnson, G. Panel: "Real World Applications for IT Students." Presented at the Public Interest Technology University Network 2020 Virtual Convening, Nov 13.

2019. **Graeff, E**, et al. "Universities + the Public Interest Technology Pipeline: A Digital Service Roundtable." Code for America Summit, Oakland, CA, May 29.
2019. **Graeff, E**, Mardell, B, Soep, L, & Stokes, B. Panel: "The Next Frontier in Assessment Innovation: Digital Spaces and Play Experiences." Civic Learning Impact and Measurement Convening, Facebook, Menlo Park, CA, Jan 11.
2018. **Graeff, E**. "Designing for Empowerment." Convocation Address, Franklin W. Olin College of Engineering, Needham, MA, Aug 30.
2017. **Graeff, E**, Powell, J, Carletide, Z, Habboo, Z, Vukasinovic, N, & Horowitz, J. Panel: "Role of Technology in Implementing and Monitoring the SDGs," 6th Annual ECOSOC Youth Forum, United Nations Headquarters, New York, NY, Jan 30.
2016. **Graeff, E**. "Youth Digital Activism." Presented at the Launch of the United Nations World Youth Report: Youth Civic Engagement, United Nations Headquarters, New York, NY, Jul 15.
2016. **Graeff, E**. "Youth Digital Activism." 47th Symposium on International Relations – Social Media: Global Impact on Political Engagement, Youth & Privacy, Yale University, New Haven, CT, Apr 8.
2016. **Graeff, E**. "Civic Media Impact." Boston Civic Media: Impact and Assessment workshop, MIT Media Lab, Cambridge, MA, Apr 7.
2015. **Graeff, E**. "Civic Media: Communities Making Change." Innovation Keynote at Next Library Festival, Aarhus, Denmark, Sep 13.
2014. **Graeff, E**. "The Civic Media Research Path." Keynote at the RIT 2014 Undergraduate Research Symposium, Rochester Institute of Technology, Rochester, NY, Aug 8.
2013. Zuckerman, E & **Graeff, E**. "Mapping Media Ecosystems to understand Digital Civics." Presented for the The Digital Humanities Distinguished Speaker Series, Rochester Institute of Technology, Rochester, NY, Nov 11.

- 2013. **Graeff, E.** "The Battle for "Trayvon Martin": Mapping a Media Ecosystem." Presented at Insiders and Outsiders: The 2013 MIT-Knight Civic Media Conference, Cambridge, MA, Jun 24.

- 2013. **Graeff, E.** "Inspiration, Community, and Happiness: Why Microphilanthropy is Awesome." Presented for the Yale Distinguished Speaker series on Happiness, New Haven, CT, Apr 5.

- 2011. **Graeff, E.** "Mapping an Arab Ecosystem (or two)." Presented for the Mapping Media Ecosystems panel, MIT Center for Civic Media, Massachusetts Institute of Technology, Cambridge, MA, Nov 2.

TEACHING

Olin College of Engineering — Courses

- 2023. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Spring course co-taught with Craig Bida, Elizabeth Johansen, Ben Linder, Francesca Majluf, Amon Millner, and Kofi Taha

- 2023. ENGR2510 Software Design, Spring course co-taught with Steve Matsumoto and Amon Millner

- 2022. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Fall course, lead instructor, co-taught with Craig Bida, Elizabeth Johansen, Francesca Majluf, Amon Millner, and Kofi Taha

- 2022. AHSE1160: Democracy and Media, Fall course

- 2022. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Spring course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha

- 2022. ENGR2510 Software Design, Spring course co-taught with Steve Matsumoto and Amon Millner

2021. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Fall course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha
2021. AHSE1160: Democracy and Media, Fall course
2021. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Spring course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha
2021. ENGR2510 Software Design, Spring course co-taught with Steve Matsumoto and Carrie Nugent
2020. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Fall course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha
2020. AHSE1199 Arts, Humanities, Social Sciences Foundation Topic: Democracy and Media, Fall course (newly devised)
2020. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Spring course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha
2019. MTH1111/SCI1111 Modeling and Simulation of the Physical World, Fall course co-taught with Steve Matsumoto, Alice Paul, and Jason Woodard
2019. ENGR3290/ENGR4290 Affordable Design and Entrepreneurship, Fall course co-taught with Craig Bida, Scott Hersey, Elizabeth Johansen, Ben Linder, Amon Millner, and Kofi Taha
2018. MTH1111/SCI1111 Modeling and Simulation of the Physical World, Fall course co-taught with Allen Downey, Alison Wood, and Jason Woodard

Olin College of Engineering — Co-curriculars

- 2022. Prototyping a Social Media Resistance Movement, Spring co-curricular co-taught with Frances Haugen
- 2019. Public Interest Tech Clinic, Spring co-curricular
- 2018. Civic Tech Posse, Fall co-curricular

Olin College of Engineering — Independent Studies

- 2023. On-Orbit Satellite Servicing Policy, Spring Arts, Humanities and Social Science Capstone supervised (1 student)
- 2022. Freedom of Speech and Political Dissent on College Campuses, Spring independent study supervised (1 student)
- 2022. Thesis Research, Spring independent study supervised (1 student)
- 2021. Ethics of AI Decision-making, Fall independent study supervised (1 student)
- 2021. Thesis Research, Fall independent study supervised (1 student)
- 2020. Public Interest Technology, Spring independent study supervised (5 students)
- 2019. Public Interest Technology, Fall independent study supervised (5 students)

Massachusetts Institute of Technology

- 2015. CMS.360/860 Introduction to Civic Media, Spring course co-taught with Ethan Zuckerman, quality of my teaching as rated by students: 6.9/7.0.
- 2015. MIT Kaufman Teaching Certificate Program. *Series of eight practice-based workshops for MIT graduate students and postdocs on learning and applying evidence-based teaching techniques.*
- 2014. MAS.700 Future of News and Participatory Media, Spring course TA for Ethan Zuckerman.

Thesis Supervision

- Shreya Chowdhary, B.S., Olin College of Engineering, 2022 (chair)
- Sam McDonald, Ph.D. Informatics, University of California-Irvine, 2021 (committee member)

Guest Lectures and Workshops

- 2023. "Ethics in Engineering," guest lecture in Olin First Year Introduction course, Olin College, Nov 1
- 2022. "Ethics in Engineering," guest lecture in Olin First Year Introduction course, Olin College, Nov 9

- 2021. "Ethics in Engineering," guest lecture with Alison Wood in Olin First Year Introduction course, Olin College, Oct 20
- 2020. "Ethics in Engineering," guest lecture with Alison Wood in Olin First Year Introduction course, Olin College, Nov 17
- 2019. "Ethics in Engineering," guest lecture with Alison Wood in Olin First Year Introduction course, Olin College, Oct 2
- 2019. "Citizen Professionalism," guest lecture in the Change the World course, Olin College, Apr 12
- 2019. "Text Mining Ethics," guest lecture in the Software Design course, Olin College, Mar 5
- 2018. "Guy Debord and the Situationists," guest lecture in the What is "I"? course, Olin College, Nov 16
- 2016. "Facebook Trending Topics and the Design of Algorithms for News Curation," guest lecture in the Media Innovation course, Northeastern University, Nov 9
- 2015. "Introduction to Civic Media Design," workshop for social entrepreneurs at Sirdab Lab, Kuwait, Jan 12
- 2011. "Tween's Conceptions of Privacy Online: Implications for Educators," workshop for educators at Facing History and Ourselves, Brookline, MA, Aug 1
- 2010. "Twitter and Democracy," guest lecture in the Internet and Society: Technology and Politics of Control class, Harvard University Extension School, Apr 20

PROFESSIONAL MEMBERSHIPS

- Faculty Associate, **Edmond & Lily Safra Center for Ethics**, Harvard University, Sep 2018 – present
- Member, **Educating for Civic Professionalism Research Network**, Kettering Foundation, 2019 – present
- Scholar, **Scholars Strategy Network**, 2019 – present
- Member, **Institute of Electrical and Electronics Engineers (IEEE)**, 2023 – present
- Member, **American Society for Engineering Education (ASEE)**, 2022 – present
- Member, **Association of Computing Machinery (ACM)**, 2017 – present
- Member, **ACM Special Interest Group on Computer-Human Interaction (SIGCHI)**, 2017 – present

SERVICE

- PlnT: Olin's Public Interest Technology Clinic (faculty advisor, cofounder), Olin College, 2019 – present
- Public Interest Technology University Network (designee), Olin College, 2019 – present

- Climate Action Plan faculty partner, Olin College, 2022 – 2023
- The 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2021), Workshops Co-Chair, 2021
- Advising faculty partner, Olin College, Fall 2021
- Context & Ethics in Engineering Working Group, Olin College, 2019
- Ethics & Values in the Educational Experience Task Force (chair), Olin College, 2018 – 2019
- Advising Task Force, Olin College, 2018
- Advisory Board, iCivics, 2018 – present
- Ad Hoc Task Force on the Future of Libraries, MIT, 2015 – 2016
- Corporation Joint Advisory Committee, MIT, 2015 – 2016
- Frontiers of Democracy Conference Planning Committee, 2014
- Media Lab Diversity Committee, MIT, 2014 – 2018
- Media Lab Student Committee, MIT, 2012 – 2018
- Science Policy Initiative Member & Secretary, MIT, 2012 – 2014
- inthis (startup) Advisory Board, 2012 – 2013
- Youth and Media Lab Mentor, Berkman Klein Center, Harvard, 2011 – 2016
- New Leaders Council, Boston Advisory Board, 2010 – 2012
- BetterGrads Mentor, Granada High School, Livermore, CA, 2010 – 2012

PROFESSIONAL EXPERIENCE

Research Assistant | Jul 2012 – Jun 2018

MIT Center for Civic Media, Cambridge, MA

Designed and studied new technologies for civic and political engagement.

Consultant | Jun 2017 – Aug 2017

Obama Foundation, Washington, DC

Developed a research strategy and lab design to advance civic engagement practice.

User Experience Researcher | Feb 2016 – May 2016

Facebook, Menlo Park, CA

Conducted fieldwork in five countries for Facebook's Civic Engagement product team.

Professional Fellow | Jan 2015

U.S. State Department + International Center for Journalists, Kuwait

Studied social and media entrepreneurship in Kuwait during 2-week exchange program.

Fellow, Affiliate | Sep 2014 – Aug 2016

Berkman Klein Center for Internet & Society at Harvard University, Cambridge, MA

Convened a summit and several workshops on youth, learning, and civic technology.

Research Assistant | May 2012 – Jul 2012

Microsoft Research (Social Media Collective), Cambridge, MA

Studied public narratives around mobile news app algorithms and design.

Research Assistant | Dec 2009 – Feb 2012

Project Zero, Harvard Graduate School of Education, Cambridge, MA

Studied young people's ethical thinking and civic engagement in online spaces.

Research Assistant | Mar 2009 – Dec 2009

Berkman Klein Center for Internet & Society at Harvard University, Cambridge, MA

Studied open education resources and political economy of US textbook industry.

Deputy Regional Field Director | Oct 2008 – Nov 2008

Obama for America, Mercer County, PA

Supported get out the vote operations across three Western Pennsylvania counties.

Engineers Without Borders Intern | Jul 2008 – Sep 2008

Aptivate, Cambridge, UK

Updated content and code for Aptivate's "Web Design Guidelines for Low Bandwidth."

ENTERPRISES STARTED

Founding Trustee | Jul 2009 – Jan 2020

The Awesome Foundation, Boston, MA (awesomefoundation.org)

Philanthropy giving monthly micro-grants to creative and innovative projects.

Founding Member | Jun 2009 – Apr 2012

Web Ecology Project, Cambridge, MA

Think tank that studied social media and internet culture.

Co-Founder, Director of Technology & Strategy | May 2009 – Dec 2012

BetterGrads, San Francisco Bay Area, CA

Nonprofit that offered online mentoring to prepare high school students for college.