

Dharma Dailey

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Current Position

Research Associate, Human-Centered Data Science
eScience Institute, University of Washington

I research how human-centered design methods can be integrated into data intensive projects; serve as the Human-Centered Design Mentor for University of Washington's Data Science for Social Good Program; and convene with data science educators to advance human-centered data science curriculum.

I am also part-time faculty in the Computing and Software System Division of the School of STEM and the Interactive Media Design Program at University of Washington Bothell.

Education

PhD, Human Centered Design & Engineering (HCDE) 2020
University of Washington
PhD Chair, Kate Starbird
Thesis: *Social Media as Local Crisis Infrastructure: The Interconnected Work of Citizens, Responders, and Journalists in the Social Media Crowd*

MS Human Centered Design & Engineering 2013
University of Washington
Capstone: Ambient Analytic Home Air Quality Device

BS Interdisciplinary Studies (Information Studies, Policy & Writing) 2010
SUNY, Empire State College

Teaching & Mentoring Experience

Teaching - Instructor of Record

BIMD 250— Introduction to Interaction Design, UW Bothell Spr. '21 to Spring '23

This course explores techniques and concepts employed when designing interactive products, systems, and services with an emphasis on collaboration as central to the design process. Taught through hands-on activities and selected readings from Human-Computer Interaction and Design Studies.

BIMD 482— Integrative Design Studio II: Production Spring 2023

Effective professional design is the result of an effective production workflow. Through project-based work, studio exercises, and select readings from Design Studies, we will focus on “designing to design” culminating in deliverables that are suitable for orienting design stakeholder and on-ramping design collaborators to our production process.

CSS 478— Usability and User-Centered Design Winter 2023

Focuses on UCD design and research methods used in industry settings.

BIMD 351— Studio Elements

Autumn 2023

This course explores interactive media design and studio practice through project-based work and studio exercises. By reflecting on our project work, doing exercises in-studio, and looking at empirical research on design process and practice, we'll deepen our understanding of two key questions: What counts as design? and How do we do design? Since this is a studio class, we'll also reflect on why designers work in studio and studio practice and culture in the western tradition.

Instructor of Record— CSS 211 Computers and Society, UW Bothell

Spring 2022

Instructor of Record— CSS 301 Technical Writing for Computing Professionals, UW Bothell

Winter 2022

Instructor of Record— HCDE 210 Explorations in Human Centered Design, UW Seattle

Autumn 2019

As lead of a 5-person instruction team for 75 undeclared undergraduates in three studio sections, I facilitated lecture and one studio section of 25 students; held regular office hours; and implemented course improvements informed by student, instruction team, and department feedback.

Teaching Assistant— HCDE 419 Concepts in Human-Computer Interaction, UW Seattle

Spring 2019

For HCDE undergraduate majors, I graded, facilitated some classes, selected some readings, designed some class activities, handled most student correspondence, and held office hours.

Teaching Assistant— HCDE 210 Explorations in Human Centered Design, UW Seattle

Winter '16 - Spring '17

I led weekly two-hour studios for undeclared undergraduates (2 sections of 25 students each). I was curriculum steward for iterations of Information Visualization, Reflection, and Interaction Design modules. As part of continuous improvements to the course, I helped craft grading rubrics, revise assignments and studio content, and graded.

Teaching Assistant— HCDE 518 User-Centered Design, UW Seattle

Fall 2015

For the first course in the HCDE Professional Masters, I graded, facilitated portions of each class, handled most student correspondence and held office hours.

Research Mentoring

2014 - 2021

Since Spring 2014, I have mentored high school through graduate students participating in research through independent study (3 quarters), directed research groups (5 quarters), and summer research (6 summers).

Human Centered Data Scientist

Summers 2018 - 2023

Data Science for Social Good, eScience Institute

I mentor interdisciplinary teams composed of graduate students, data scientists, and subject matter experts to integrate human-centered design and qualitative research methods into applied data science projects.

Undergraduate Independent Study

Winter & Spring 2016, Fall 2017

Detecting Journalists on Twitter

Undergraduate Summer Research Programs

Social Media as a Lens into Disrupted Communities	Summer 2018
Women in Science and Engineering Bridge Program / Starbird	Summer 2017
Misinformation Flows in Social Media / Starbird & Spiro	Summer 2016
Maritime Operational Information Sharing Analysis / Haselkorn & Zachry	Summer 2014

Directed Research Groups (with undergraduate and graduate students)

I facilitated and managed research-for-credit by 13 students (cumulatively) over six quarters.

Detecting adaptations to long-term disruptions in Social Media / Starbird Fall 2017 - Winter 2018

Sketching a Field Guide to Contemporary Crisis Information Work Winter 2017

I designed and led 6 students exploring ways to visually communicate crisis information work

Social Media Use & the 2014 Oso Mudslide Fall 2015

I designed and led mixed methods analyses of the digital record of a crisis event.

Public Information Needs in Crisis Contexts Spring 2014

I co-led a reading group composed of engineering, informatics, and library science students.

Informal Mentoring 2004 - 2019

I have extensive experience leading informal community workshops, trainings, and one-on-one coaching in audio production and related technical skills, media policy, and vocal improvisation.

Publications

Peer-Reviewed Conference Papers

Robert Soden, Nick Lalone, Dharma Dailey. July 2021. A Patent Application for NEXTGEN Flood Early Warning System. Proc. ACM Human Computer Interaction, Vol. 5, No. GROUP, Article 216.

P. M. Krafft, Meg Young, Michael Katell, Jennifer E. Lee, Shankar Narayan, Micah Epstein, Dharma Dailey et al. An Action-Oriented AI Policy Toolkit for Technology Audits by Community Advocates and Activists. In Proceedings of the 2021 ACM Conference on Fairness, Accountability, and Transparency, pp. 772-781.

Michael Katell, Meg Young, Dharma Dailey, Bernease Herman, Vivian Guetler, Aaron Tam, Corinne Binz, Daniella Raz, and P. M. Krafft. Toward Situated Interventions for Algorithmic Equity: Lessons from the Field. ACM Conference on Fairness, Accountability, and Transparency (ACM FAT* '20), January 27-30, 2020, Barcelona, Spain.

Li Zeng, Dharma Dailey, Owla Mohamed, Kate Starbird, Emma Spiro. Detecting Journalism in the Age of Social Media: Three Experiments in Classifying Journalists on Twitter. The 13th International AAAI Conference on Web and Social Media (ICWSM-2019).

Abbas Ganji, Tom Wilson, Dharma Dailey, Sonia Savelli, and Mark Haselkorn. Cause and Effect: A Qualitative

Analysis of Obstacles to Information Sharing During a Regional Disaster Exercise. 2019. Proceedings of the 16th International Conference on Information Systems for Crisis Response and Management (ISCRAM) – València, Spain May 2019. Zeno Franco, José J. González and José H. Canós, eds.

Kate Starbird, Dharma Dailey, Owla Mohamed, Gina Lee, Emma S. Spiro. 2018. Engage Early, Correct More: How Journalists Participate in False Rumors Online during Crisis Events. CHI 2018, April 21–26, 2018, Montreal, QC, Canada.

Dharma Dailey, Robert Soden, and Nick Lalone. 2018. Becoming a Crisis Informatics Response Technician: A Design Fiction. ACM International Conference on Supporting Group Work (GROUP '18).

Dharma Dailey and Kate Starbird. 2017. Social Media Seamsters: Stitching Platforms & Audiences into Local Crisis Infrastructure. In Proceedings of the ACM 2017 Conference on Computer Supported Cooperative Work (CSCW 2017). Honorable Mention Award. (Overall acceptance rate 28%)

Dharma Dailey, John Robinson, and Kate Starbird. 2016, March. Sharing Food, Gathering Information: The Context and Visibility of Community Information Work in a Crisis Event. In iConference Proceedings 2016.

Elodie Fichet, John Robinson, Dharma Dailey, and Kate Starbird. 2016, May. Eyes on the Ground: Emerging Practices in Periscope Use during Crisis Events. In the 13th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2016).

Dharma Dailey and Kate Starbird. 2014. Visible Skepticism: Community Vetting after Hurricane Irene. Short Paper. 2014 Information Systems for Crisis Response and Management Conference (ISCRAM 2014), Penn State University.

Reviewed Articles & Book Chapters

Benjamin Mako Hill, Dharma Dailey, Richard T. Guy, Benjamin Lewis, Mika Matsuzaki, and Jonathan T. Morgan. 2017. Democratizing Data Science: The Community Data Science Workshops and Classes. In *Big Data Factories: Collaboration in Virtual Community Data Collection, Repurposing, Analysis, and Dissemination*. New York, New York: Springer.

Dharma Dailey and Kate Starbird. 2016, December. Addressing the Information Needs of Crisis-Affected Communities: The Interplay of Legacy Media and Social Media in a Rural Disaster. In *The Communications Crisis in America, and How to Fix It*. Friedland L. and Lloyd, M. editors. Palgrave MacMillan.

Dharma Dailey and Kate Starbird. 2014. Journalists as Crowdsourcerers: Responding to Crisis by Reporting with a Crowd. *J of Computer-Supported Cooperative Work*, Special Issue: Crisis Informatics and Collaboration, Dec 2014, 23(4-6), 445-481.

Kate Starbird, Dharma Dailey, Ann H. Walker, Thomas Leschine, Robert Pavia, and Ann Bostrom. 2014. Social Media, Public Participation, and the 2010 BP Deepwater Horizon Oil Spill. *Human and Ecological Risk Assessment: An International Journal*.

Alison Powell and Dharma Dailey. 2010. The Essential Internet: Digital Exclusion in Low-Income American Communities. *Policy and Internet*. Volume 2, Issue 2, August 2010, 159-190.

Dharma Dailey and Alison Powell. 2010. Toward a Taxonomy for Public Interest Communications Infrastructure. In *Communications Research in Action: Scholar-Activist Collaborations for a Democratic Public Sphere*. Napoli, P. and Aslama, M. editors. New York: Fordham University Press.

Laura Forlano and Dharma Dailey. 2008. Community Wireless Networks as Situated Advocacy. In *The Situated Advocacy Pamphlet Series*. Khan, O., Scholz, T. and Shepard, M. editors. New York: The Architectural League of New York.

Lightly Reviewed Papers, Posters, & Workshops

Michael Katell, Meg Young, Peaks Krafft, Bernease Hermann, Dharma Dailey, Corrine Bintz, Vivian Guetler, Vivian, Daniella Raz, and Aaron Tam. A Toolkit for Algorithmic Equity and Community Empowerment. Poster. iConference 2020.

Dharma Dailey, Owla Mohamed, Lunden Harris, Preethi Varadharajan, and Kate Starbird. Cumulative Cues: Identifying Journalists on Twitter. Poster presented. Computation + Journalism Workshop 2017.

Jonathan Morgan, Dharma Dailey, & Benjamin Mako Hill 2017, February. Community Data Science Workshops. For Hacking and Making at Time-Bounded Events: Current Trends and Next Steps in Research and Event Design Workshop. In *Proceedings of the 20th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing*. ACM.

Dharma Dailey and Kate Starbird. 2016, February. Beyond Official: Government Information Work through Personal Accounts. Poster. In *Proceedings of the 19th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing*. ACM.

Dharma Dailey and Kate Starbird. 2015, February. It's Raining Dispersants: Collective Sensemaking of Complex Information in Crisis Contexts. Poster presented. In *Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing* ACM 155-158.

Dharma Dailey. 2015, February. Crowdsourcerering: Infrastructuring Crowd Work in Crisis Contexts. For Information Technology and City Life Workshop. Workshop Abstract. 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing ACM.

Kelly Koerner, Dharma Dailey, Mike Lipp, Heidi Connor, Rohit Sharma, R. 2012. Experience Report: Data visualization for psychotherapy progress tracking. In *Proceedings of the 30th ACM International Conference on Design of Communication (SIGDOC '12)*. ACM 213-218.

Research Reports & Technical Writing

Robin Mays and Dharma Dailey. (Forthcoming, 2023) So You Want to Build an App?: Guidance for Better Parntering for Better Humanitarian Technology Design. Global Disaster Preparedness Center of the American Red Cross.

Dharma Dailey, Sarah Stone and the Data for Good Organizers Network. 2021, November. The Data for Good Growth Map: Decision Points for Designing a University-Based Data for Good Program. University of Washington.

Federal Communications Commission's Communications Security, Reliability and Interoperability Council's (CSRIC V) Working Group 2 Emergency Alerting Platforms. 2016, September. Social Media & Complementary Alerting Methods – Recommended Strategies & Best Practices Final Report & Recommendations.

Department of Human Centered Design & Engineering at the University of Washington. 2014, September. Maritime Operational Information Sharing Analysis Prepared for Department of Homeland Security Interagency Operations Center, the National Maritime Intelligence-Integration Office, and the Program Manager for the Information Sharing Environment

Kate Starbird, Dharma Dailey, Ann Hayward Walker, Thomas M. Leschine, Robert Pavia, and Ann Bostrom. 2014. Sensemaking through Twitter during the 2010 Gulf Oil Spill. Coastal Response Research Center (CRRRC), University of New Hampshire. Durham, New Hampshire, January 2014.

Dharma Dailey, Amelia Bryne, Alison Powell, Joe Karaginis, and Jaewon Chung. 2010. Broadband Adoption in Low-Income Communities. Brooklyn, NY: Social Science Research Council.

Dharma Dailey. 2009. Making Broadband and Cell Phones Affordable for All: Proposed Reforms to the Lifeline Program of the Universal Service Fund. The Media Justice Fund of the Funding Exchange.

Dharma Dailey. 2009. A Field Report: Media Justice Through the Eyes of Local Organizers. The Media Justice Fund of the Funding Exchange.

Dharma Dailey. 2009. Criminal Charges: Excessive Prison Phone Rates Take a Toll on Innocent Families. The Media Justice Fund of the Funding Exchange.

Dharma Dailey. 2008. The Tools They Use: Online and Offline Collaboration for Media Activists 2008. In Whose Media? Our Media!: Strategic Communications Tools to Reform, Reclaim and Revolutionize the Media. The Spin Project, San Francisco.

Dharma Dailey and Pete Tridish. 2003. Official Comments to the FCC for Prometheus Radio Project on Media Ownership Studies.

Dharma Dailey and Tracy Jake Siska. 1999. FCC's Interference Argument Grounded: Commercial Radio, Not MicroPower, Is More Frequent Hazard for Aviation. Published in Fairness and Accuracy in Reporting's Extra! January/February 1999.

Research Experience

Human Centered Design Mentor for Data Science for Social Good 2018 - 2023
Sarah A. Stone and Anissa Tanweer, eScience Institute, University of Washington

I conduct action research focused on understanding and improving public sector data science projects and education related to them. I became the inaugural Human Centered Design Mentor for the Data Science for Social Good summer program in 2018. Mentees typically comprise three practitioner-led data science teams and fifteen competitively chosen graduate students from across the United States.

- Meeting Information Needs after the 2014 Oso Mudslide
Dissertation Project 2015 - 2020
- My dissertation project was a mixed methods study mapping the information space that formed around an extended rural crisis. Specifically, I identified the expertise, practices, and collaborative actions that fostered and sustained key information resources mediated through social media. I designed the study, wrote the IRB, led 27 in-depth interviews and additional field research. I've worked with 14 students on mixed methods analyses. Two first-author peer-reviewed publications.
- Social Media as a Lens into Disrupted Communities 2017 - 2019
Kate Starbird, HCDE University of Washington
- I project managed student researchers conducting mixed methods research on large Twitter data sets from Hurricanes Harvey and Maria to understand how impacted people portray disruptions and adaptations after a disaster.
- Seismic Cultures 2018
Megan Finn and Scott Miles
- I coordinated and documented a workshop on earthquake cultures with academics from around the world and provided input into a public communication art project that followed.
- Detecting Misinformation Flows in Social Media Spaces During Crisis Events 2016 - 2017
Kate Starbird Emma Spiro, & Robert Mason, University of Washington
- My primary contribution to this project was developing and applying a schema to identify journalists on Twitter based on a grounded theory qualitative analysis of over 40,000 Twitter accounts. The process of categorizing a messy social construct like journalism in order to stage quantitative and machine learning analyses is an interesting methodological challenge. Two second author peer-reviewed publications.
- COSSAR 2014 - 2017
- Through the Center for Collaborative Systems for Security, Safety, and Regional Resilience, I participated in empirical research on Puget Sound's safety and security professionals information sharing practices as well as training and exercises. Understanding the "as-is" information sharing practices of safety and security professionals is foundational to making improvements to information sharing that support their mission. This grounded understanding is also instrumental to the research I have been conducting to understand how technologies like social media are changing how the public shares, produces, and receives information in times of crisis.
- Field Research on Information Sharing & Collaboration Cascadia Rising
Mark Haselkorn, Mark Zachry, & Brian Zito, HCDE University of Washington
I contributed to research design and field observations, leading to a peer-reviewed publication.
 - Maritime Operations Information Sharing Analysis
Mark Haselkorn, Mark Zachry, & Keith Butler, HCDE University of Washington
Under Mark Zachry, I led a team of students in conducting a thematic analysis of over 70 interviews with those responsible for maritime security in the Puget Sound for a sponsored project. Results were published in a report to the Department of Homeland Security.
- Social Media in the Aftermath of the Deepwater Horizon Oil Spill 2013 - 2014
Kate Starbird, HCDE, University of Washington
- An in-depth mixed methods study characterizing the public conversation that took place on Twitter and related media around the 2010 Deepwater Horizon Oil Spill. Through grounded exploration, we constructed an

empirical model of how the public made sense of this complex, knowledge-heavy, ambiguous, and longer-term crisis event. Sponsored by NOAA and the Coastal Response Research Center. I conducted inductive analyses of tweets and related resources and coordinated analyses of other students. Second author on a journal publication. Co-author on one report and one peer-reviewed publication.

Addressing Public Information Needs After Hurricane Irene 2012 - 2014
Kate Starbird and Mark Haselkorn, HCDE, University of Washington

Building on community-based participatory research I conducted between 2007 -2011, this primarily ethnographic analysis looked at how information needs were addressed in an area severely impacted by Hurricane Irene, the Catskills region of upstate New York. I was responsible for research design and data collection. Analysis was conducted under the supervision of Kate Starbird starting in 2013. Lead author on one journal publication and one book chapter.

Evidence-Based Support Systems for Mental Health 2011 - 2012
Kelly Koerner, Evidence-Based Practice Institute

I collaborated on two user-centered design studies: 1) As part of a three person team, I conducted user research, designed, prototyped and tested a tablet-based app that supports evidence-based therapeutic interventions for patients at risk of suicide. 2) I led user experience evaluations for the design of an analytics dashboard to track mental health patients' progress. Both studies led to design changes of a National Institute of Mental Health funded system. Co-author on one lightly reviewed academic publication.

Multi-Disciplinary Research Design & Qualitative Evaluation 2010 - 2012
Fast Forward New Mexico

I facilitated a multi-disciplinary research team's project evaluation design for a National Telecommunications and Information Administration Broadband Technology Opportunities Program grant. Also led the qualitative/field component of the evaluation.

User-Research for Federal Communications Policy 2009 - 2010
Dharma Dailey & Amelia Bryne

Co-PI of the Broadband Adoption in Low-Income Communities study, the largest qualitative study to date on why low-income communities lag in U.S. Internet adoption. Sponsored by the Federal Communications Commission to inform the National Broadband Plan for Congress. I co-led a fourteen person research team and coordinated eight partnering groups to reach dozens of community organizations in four states; conducted focus groups and contextual interviews with 170 participants in four regions of the US; handled administration. This research is credited with leading to specific recommendations in the National Broadband Plan. It also informed the design of state interventions directed at low-income populations. The report design was recommended as a model by NTIA staff to other analysts.

The Public Interest Communications Infrastructure Taxonomy Project 2008
Alison Powell, London School of Economics

A grounded study identifying the social impacts that practitioners and academics perceive to be linked to local and regional communications infrastructure projects in the U.S. and Canada with the goal of identifying data sharing opportunities. Helped develop the research protocol, conducted the interviews, led the analysis, and handled the administration. Sponsored by the Social Science Research Council and the Ford Foundation. Results were shared among participants to facilitate and improve coordinated activities. First author of a book chapter.

Mapping Communications Challenges of Underserved Communities 2008 - 2009
The Funding Exchange

Mapped communication challenges in resource-constrained communities in the US. Conducted research (site visits, contextual interviews, document analysis, participatory workshops) for strategic planning, program evaluation and grantee evaluation relating to communications policy, media accountability, and communications infrastructure grants. I produced research-based reports on communications policy issues; provided technical assistance to grantees and led participatory workshops with nearly 100 community organizers across the US. Impacts included a commitment among a coalition of federal policy advocates to commit to working on the high cost of phone calls to prisoners (which the FCC ruled on in 2013.)

Work Experience

Research Associate, Human Centered Data Science, eScience Institute, UW	2021 - 2022
University of Washington Data Science Postdoctoral Fellow, eScience Institute	2020 - 2021
Graduate Research Assistant	2012 - 2020

Please see the research projects listed above for graduate student and postdoctoral work.

Hands-On, Policy Analysis, and Research Consultant	2005 – 2011
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As an independent contractor, I worked at the convergence point between community-based media and technology projects, public policy, and user research. This typically involved translating between grassroots initiatives, policy makers and other stakeholders such as funders. Below is a selection of that work:

Research to Practitioner Translation The Ethos Group	2006 - 2008
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I summarized evidence-based research on the social impact of local networks for non-academic audiences. Available under a creative commons license, materials were used by local broadband experts as educational materials in forums such as the Rural Telecommunications Congress. Supported by the Media and Democracy Fund.

Grassroots Communications Policy Organizing Media and Democracy Coalition	2006
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In coordination with partnering groups across Pennsylvania, I developed and led workshops across the state on pressing national, state, and local telecommunications policy issues.

Spectrum Policy Development, Education, and Build-out Prometheus Radio Project	2003 - 2006
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I researched new technologies and competing spectrum policy regimes to determine what opportunities existed for local communities to use the airwaves beyond what was currently available. Ultimately led to PRP joining the Open Spectrum Coalition; Developed an educational program on spectrum policy and community networks that included hands-on activities and presentations.

Public Workshops & Trainings

Since 2004, I have led dozens of workshops on collaborative issue mapping; communications policy; municipal networks; community media; and participatory media in places as varied as: suburban St. Louis; Washington, DC; rural New Brunswick, Canada; Toronto; New York City; and Northampton, MA. Other locations include: Albuquerque, Boston, San Diego, Illinois (Chicago, Urbana), Minneapolis,, New York (Catskill, Buffalo, Cairo, Germantown, Troy, New York City), and Pennsylvania (Erie, Scranton, Pittsburgh, Philadelphia.)

Public Presentations & Invited Talks

STEM by Design. Mount Mary College, Milwaukee Wisconsin. April 20, 2023.

A Growth Map for University-Based Data for Good Programs. Data Science Training and Collaboration Workshop. January, 2022. The University of Washington eScience Institute, West Big Data Innovation Hub, and HSI STEM Hub (Network of Hispanic Serving Institutions).

University-Based Data for Good Programs. 2021, November. Data science for social impact in university-based programs panel. Academic Data Science Alliance. 2021 Virtual Meeting.

University-based Data for Good Programs. Joint Statistical Association Meeting (JSM 2021, August). Creating Data for Good (D4G) Programs: Roadmap and Research Highlights — Invited Panel Social Statistics Section, Section on Statistics and Data Science Education, Section on Statistical Learning and Data Science, Caucus for Women in Statistics.

Growth Maps for Starting a Data Science for Social Good Program. Data Science Training and Collaboration Workshop. June, 2021. The University of Washington eScience Institute, West Big Data Innovation Hub, and HSI STEM Hub (Network of Hispanic Serving Institutions).

How the Connected Crowd Supports Crisis-Affected Communities: A brief tour through 10 years of user research. World Usability Day Seattle, Amazon Headquarters, November 2017.

Connecting America: The Broadband Experience, National Association of Regulatory Utility Commissioners, November, 2012.

Broadband Adoption and the Role of the Public Library (Issues and Solutions), American Library Association Annual Conference. Washington, DC, June, 2010.

Freedom to Speak in the Internet Age: Special Forum on Communications Policy and its Possible Effects on Ethnic Media and Their Communities, CUNY Graduate School of Journalism, June, 2010.

Barriers to Broadband Adoption: FCC-Commissioned Study Briefing March 2, 2010, Capitol Hill. With the American Library Association and the Federal Communications Commission.

Online Participation and Democracy. One Web Day, Washington Square Park, New York, NY. 2008.

Grassroots Wireless and You. National Association of Telecommunications Officers (NATOA), Atlanta, Ga. 2008.

Data Collection for Community Wireless Networks. International Summit for Community Wireless Networks. 2008.

Good Media Needs Good Bones. Feminist Approaches to Media Policy and Infrastructure. Women, Action and Media Conference. Cambridge, MA. 2008.

Service

Paper Reviewer	2013 - Present
CHI (Computer-Human Interaction, ACM); Communication and the Public; CSCW (Computer Supported Cooperative Work, ACM); ECSCW (European Conference on Computer-Supported Cooperative Work); Designing Interactive Systems DIS); Digital Journalism; iConference, International Journal of Disaster Risk Reduction; ISCRAM (International Conference on Information Systems for Crisis Response and Management), PeerJ, Journal of Computer Supported Cooperative Work; Journal of Humanistic Mathematics; New Media & Society; Transactions on Computer-Human Interaction (TOCHI)	
Learning & Doing Data for Good Conference, Program Committee	September 2022
Creating a University-Based Data for Good Program: A Decision Points Workshop co-organizer and presenter	Jan/Feb 2022
Community Data Science Workshop, coordinating team and mentor University of Washington	2015 - 2020
iConference Program Committee	2019
European Computer Supported Cooperative Work (ECSCW) Program Committee	
Rural Computing: Beyond Access & Infrastructure Workshop, CSCW, Co-organizer	2018
University of Washington DUB Doctoral Colloquium Student Volunteer Grand Challenges for HCI Crisis Informatics Workshop, University of Colorado Boulder, co-organizer.	2017
Associate Chair CHI Late Breaking Work	
FCC CSRIC V Advisory Committee Working Group on Wireless Emergency Alerts Co-led drafting of social media report and recommendations, offered recommendations accepted by the CSRIC V council.	2016
Cascadia Rising Catastrophic Earthquake Drill, county evaluator & state observer	
DUB Speaker Series, student coordinator	2014 - 2015
Co-founder, HCDE Graduate Student Organization	2012 - 2013
Co-founder, UX for DUBBIES, student- coordinated workshops	2013 - 2014
Embedded Researcher, WGXC 90.7 FM Hands-On Radio	2007 - 2011

Technical Skills

Extensive: Ethnographic and participatory research and design; Facilitation; Project management; Audio production.

Competent: Surveys; User testing, Design ideation/Conceptual prototyping, Rapid Prototyping

Tools: Very familiar with SQL, Tableau, Wordpress and similar. I am not a production programmer but I do use Python, Unix, et al for data management and analyses. I can make Arduinos blink, build and tune a simple radio transmitter, and similar.

Course work: User-Centered Design, Usability Testing, Information Visualization, MIS, GIS, Information Design, Physical Computing, Data Science, Data Studies, Science and Technology Studies

Certifications

FEMA trainings: IS-00100.b, IS-00200.b, IS-00230.d, IS-00700.a

National Charrette Institute: Charrette Management and Facilitation

Awards and Honors

The Department of Human Centered Design & Engineering Graduate
Award of Excellence for Demonstrating Special Strength in Innovation.

2013