

Sarah Inman

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Education

University of Washington

PhD: Human-Centered Design & Engineering

Committee: David Ribes (Chair), Daniela Rosner, Charlotte Lee, Daniel Schindler, Megan Finn (GSR)

Areas of Focus: Data Science; Archival and Information Science; Science and Technology Studies; Data Visualization for Natural Resource Management; Ethnography

Fall 2016—Present

Seattle, WA

Georgetown University

Master of Arts: Communication, Culture, & Technology

Areas of Focus: Human Computer Interaction; Environmental Policy and Technology; Infrastructure Studies; Fundamentals of Technology; Visual Culture; Science and Technology Studies; Communication Networks; Networks and Development

Thesis: *Fractured Consent: Public Participation in Environmental Complexity*

Fall 2011—Spring 2013

Washington, D.C

The Graduate Institute of International and Development Studies

Summer program on World Trade Organization, International Trade & Development

Summer 2012

Geneva, Switzerland

Louisiana Tech University

Bachelor of Arts: Political Science

Fall 2006—Spring 2011

Ruston, LA

Publications and Presentations

Full Papers (Peer Reviewed):

- **Inman, S.**, Esquible, J., Jones, M., Bechtol, B., & O'Connor, B. Forthcoming. Opportunities for Community-Based Monitoring to Provide Management-Relevant Data for Data-Poor Salmon Fisheries. *Ecology and Society*. Special issue.
- **Inman, S.** & Ribes, D. 2019. "Beautiful Seams": Strategic Revelations and Concealments. Proceedings of the Human Computer Interaction (CHI) conference, Glasgow, Scotland. **Best Paper Honorable Mention Award.**
- Hahn, C., Hoffman, A. S., Slota, S. C., **Inman, S.**, & Ribes, D. 2019. Entangled Inversions: Actor/Analyst Symmetry in the Ethnography of Infrastructure. *Interaction Design and Architecture(s)*. IxD&A. Special issue on "Inquiring the way we inquire."
- **Inman, S.** & Ribes, D. 2018. "Data Streams, Data Seams: Towards a Seamful Representation of Data Interoperability." *Design Research Society*.
- Vovides, Y. & **Inman, S.** 2016. "Using Learning Analytics to Support Reflective Sensemaking of Ill-structured Ethical Problems" in [Future Internet](#).
- Kruger, D., **Inman, S.**, Ding, Z., Kang, Y., Kuna, P., Liu, Y., Lu, X., Oro, S., & Wang, Y. 2015. "Improving Teacher Effectiveness: Designing Better Assessment Tools in Learning Management Systems" in [Future Internet](#), 7(4), 484-499.

- Vovides, Y. & **Inman, S.** 2013. Storytelling: Discourse analysis for understanding collective perceptions of medical education. International Association for Development of the Information Society (IADIS) eLearning Conference.

Book Chapters (Peer Reviewed):

- Vovides, Y. & **Inman, S.** 2016. “Enabling Meaningful Certificates from Massive Open Online Courses (MOOCs): A Data-Driven Curriculum e-map Design Model” in [Open Learning and Formal Credentialing in Higher Education: Curriculum Models and Institutional Policies.](#)

Conference Workshops, Posters, Demonstrations, and Doctoral Colloquia:

- **Inman, S.** 2019. “How data are (or are not) tractable to management: A case study in the Kuskokwim,” Matanuska-Susitna Salmon Symposium, November 2019, Palmer, Alaska.
- **Inman, S.** 2018. “Agencies in the Database: The Role of Flagging,” EASST Conference, July 2018, Lancaster, UK.
- **Inman, S.** 2018. “Revealing spaces for community engagement”, In Workshop: “Untold Stories” at the ACM CHI Conference, April 2018, Montreal, Canada
- **Inman, S.** 2017. “Data Upstream”, Society for Social Studies of Science Conference, 2017 in Boston, MA.
- **Inman, S.** 2017. “Multi-disciplinary collaboration for Wild Alaskan Salmon” at the International Congress of Arctic Social Science, June 2017 in Umea, Sweden.
- **Inman, S.** 2015. “Metacognition in the 21st Century” at the 21st Annual Online Learning Consortium 2015, Orlando, FL.
- **Inman, S.** 2015. “Metacognition in a Technologically-Enhanced Environment” at EDUCAUSE 2015, Indianapolis, IN.
- **Inman, S.** 2015. “Virtual Learning Environment and Informal Learning” at NJEDGE, 2015 Princeton, NJ.
- **Inman, S.** 2013. “A model for reflective sensemaking” at the Learning Analytics and Knowledge Conference, 2013 in Leuven, Belgium.
- Presented paper at the Community Imperatives English Conference, 2013 at Georgetown University.

Invited Presentations:

- **Inman, S.** How data are (or are not) tractable to management: A case study in the Kuskokwim. Invited talk for the UW Alaska Salmon Program’s Salmon Symposium. Seattle, WA. December 2019.
- **Inman, S.** Seamful Representations of Data Science. Invited talk for the Human Centered Design & Engineering Theory 101 course, Seattle, WA. February 2018.
- **Inman, S.** Visualization Design Workshop. Invited to lead 2-day workshop in Jaime Snyder’s Visualization Design Course. Seattle, WA. January 2018.
- **Inman, S.** Data Upstream. Invited talk at Participatory Workshop for the State of Alaska’s Salmon and People project meeting in Kenai, Alaska. September 2017.
- **Inman, S.** Organizational Accidents and Dialogic Interaction. Invited talk at Stevens Institute of Technology, Hoboken, NJ. September 2016.

Research

Fall 2019	Center for Arctic Policy Studies (CAPS), Fairbanks, AK Conducting research to write a series of policy briefs on Wild Alaskan salmon
Summer 2019	Google, Seattle, WA User Experience Research Intern Conduct qualitative research on software developers' use of tools
Fall 2018	Polar Data Summit Planning Boulder, CO
Summer 2017-2019	Alaska Salmon Program, Bristol Bay, AK Field Technician
Fall 2016-Present	University of Washington, Seattle, WA State of Alaska's Salmon and People (SASAP) project

Teaching and Design Experience

University of Washington <i>Teaching Assistant for School of Aquatic and Fishery Sciences</i>	Seattle, WA Fall 2018
<ul style="list-style-type: none"> • Led laboratory experiments for Limnology 473 • Coordinated and led field trip to the Malcolm Knapp Research Forest in British Columbia • Graded papers, midterms, finals, and lab assignments 	
The Burke Museum <i>Designer</i>	Seattle, WA Winter 2018
<ul style="list-style-type: none"> • Conducted design research and proposals for a new exhibit in The Burke Museum • Interviewed research scientists to identify ways of designing for translational science 	
University of Washington <i>Facilitator</i>	Seattle, WA Winter 2017
<ul style="list-style-type: none"> • Designed and led Directed Research Group (DRG) with David Ribes and Tom Wilson on Data Ethnographies 	
Stevens Institute of Technology <i>Instructor</i>	Hoboken, NJ/Online Aug. 2015 – Dec. 2015
<ul style="list-style-type: none"> • Facilitator and course designer for Design Thinking seminar. 	
Georgetown University <i>Teaching and Research Assistant</i>	Washington, DC Jan. 2012 – Sept. 2013
<ul style="list-style-type: none"> • Teaching assistant for Cyberlearning course. • Research on learning analytics, discourse mapping, and ethical reasoning. 	

- Research on metacognition and reflective sensemaking.
- Research on research methodologies for studying international medical education.

Professional experience

PhD Student and Research Assistant
University of Washington

Sept. 2016—Present
 Seattle, WA

Field Technician
Alaska Salmon Program

Aug 2017—Sept 2017
 July 2018—Sept 2018
 Aug 2019—Sept 2019
 Bristol Bay, Alaska

Senior Instructional Designer
Stevens Institute of Technology

Oct. 2013—Oct. 2016
 Hoboken, NJ; Remote

- Identified, developed, implemented, and prototyped learning solutions with subject matter experts.
- Developed, coordinated, and led the first teaching and learning center at Stevens Institute of Technology.
- Managed the Learning Management System review and pilot team.
- Collaborated with deans, faculty, and staff to support and advance institutional strategic initiatives.
- Provided instructional and curriculum design support and training to faculty.
- Designed and developed online and face-to-face courses and learning activities utilizing tools such as Camtasia, Adobe Captivate, and Articulate Storyline.
- Collaborated and liaised with stakeholders to provide online and face-to-face professional development sessions via web-conferencing software.
- Designed and maintained website for organizing educational resources.

Instructional Design Consultant
Ed Tech Lens

Feb. 2014—July 2014
 Remote

- Collaborated with photographers and educators to address needs of the client.
- Manage the instructional design projects with a team of 5-8.
- Designed and administered a science theme-based curriculum package for K-5 units.
- Managed individual priorities as a freelance consultant.

Instructional Designer & Research Assistant
Georgetown University, Center for New Designs in Learning & Scholarship

Jan. 2012—Sept. 2013
 Washington, DC

- Coordinated subject matter experts responsible for curriculum design.
- Developed and implemented learning strategies to facilitate retention and achievement in college courses.
- Designed and led instructional workshops for technology training.
- Conducted pre- and post-intervention surveys and focus groups.

- Synthesized research on formal credentialing, social learning analytics, metacognition, and integrative learning.

Communications Specialist

Jan. 2013—July 2013

Medical Education Partnership Initiative (MEPI)

Remote

- Assisted online communications strategy for the 2013 annual symposium in Addis Ababa, Ethiopia.
- Tracked event and webinar participation to inform future event planning and public relations.
- Designed visuals for monthly newsletters regarding distance-learning initiatives.
- Organized video and web content in Joomla!

Managing Editor

Aug. 2011—June 2013

***gnovis Journal*, Georgetown University**

Washington, DC

- Managed 25+ peer reviewers for higher education bi-annual peer-reviewed journal.
- Oversaw blog and journal content curation.
- Coordinated and mentored a staff of 20 for production of the journal, blog, and multimedia projects.
- Acquired ISBN and international recognition from other academic journals.
- Oversaw the hiring and supervision of staff members.

Administration and Communications Office Assistant

Aug. 2011—Aug. 2012

Communication, Culture, Technology (CCT) Department, Georgetown University

Washington, DC

- Produced digital content for the CCT departmental website across multiple social media platforms.
- Created all departmental program information pertaining to day-to-day university operations.
- Developed on-campus events to foster community engagement and networking opportunities.
- Managed employment and vendor relations for departmental needs.
- Re-designed summer curriculum for study abroad program in Geneva, Switzerland.

Scholarships, Grants, and Awards

2020 Selected participant for the **Association of Polar Early Career Scientists (APECS)** Nunataryuk T-MOSAiC School on “Arctic Coastal Adaptation: Capacity building and knowledge exchange across borders”, Abisko Scientific Research Station, Abisko, Sweden

2019 Selected as **Storytelling Fellow** at the University of Washington Research Commons Library

Featured in **NCEAS Portrait Series** on “[What it Means to be a Data Ethnographer](#)”

Travel Award, Social Studies of Science

CHI Best Paper Honorable Mention Award, “Beautiful Seams: Strategic Revelation and

Concealment”, CHI’19

Finalist for 4Culture’s Rain Garden x Public Art Grant, \$40,000

Travel Award, Graduate School of University of Washington
\$500 travel funding to present at international research conference

CRA-W Grad Cohort for Women Workshop, Chicago, IL

2018 Travel Award, Graduate School of University of Washington
\$500 travel funding to present at international research conference

Travel Award, National Snow and Ice Data Center
Polar Data Summit, Boulder, CO

2017 Travel Award, Graduate School of University of Washington
\$500 travel funding to present at research conference

2016 Research Grant, Data Task Force for Better Synthesis Studies (PI: David Ribes)
The Gordon and Betty Moore Foundation
Full tuition + stipend for 3 years

2006-2010 Louisiana TOPS Scholar, Louisiana Tech University
Outstanding Student Scholarship, \$2000/year

Professional service + membership

Affiliate Center for Arctic Policy Studies, University of Alaska, Fairbanks

Reviewer ACM Computer Supported Cooperative Work (CSCW), 2019
ACM Designing Interactive Systems, 2019
ACM SIGCHI, 2019
ACM SIGCHI, 2018
ACM Designing Interactive Systems, 2018
Fish 101 Course with Alaska State Legislator, Jonathan Kreiss-Tomkins

Leader or Co-organizer Virtual Spotlight Series writing seminar, 2018
NSF Science of Learning conferences at Georgetown University
Lead campus tour for two visiting faculty

Editorial Board Georgetown’s *gnovis* journal, 2013-present

Member

Association for Computing Machinery (ACM) (member), 2017-present
UW Citizen Science group, 2017-present
Environmental Data and Governance Initiative (EDGI), 2017-present
The Mountaineers, 2016-present
Research Data Alliance, 2016-present
Educational Learning Initiative EDUCAUSE, 2013-2016
Northeast Regional Computing Program (NERCOMP), 2013-2016
Georgetown Women in International Affairs, 2011-2013
Chicago Council on Global Affairs, 2009-2013

Graduate Fellow

Center for Environmental Politics, 2017-present

Founder

Teaching and Learning Knowledge (TaLK) taskforce at Stevens Institute of Technology

Volunteer

ACM SIGCHI 2019, Glasgow, UK
ACM Computer Supported Cooperative Work (CSCW) 2017, Portland, OR
Capitol Land Trust stewardship program