Rebecca D. Frank

CONTACT School of Information Sciences

University of Tennessee, Knoxville

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451 Communications Building Knoxville, TN 37996-0341

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http://rebeccadfrank.com

ORCID: <u>0000-0003-2064-5140</u>

EDUCATION

2018 **PhD, Information Science**

University of Michigan School of Information

2012 MSI, Information Science

University of Michigan School of Information

2004 BA, Organizational Studies

University of Michigan, College of Literature, Science, and the Arts

ACADEMIC POSITIONS

2022 - present **Assistant Professor**

University of Tennessee, Knoxville, School of Information Sciences

2019 - 2022 Einstein Centre Digital Future Assistant Professor for Information

Management

Humboldt-Universität zu Berlin, Berlin School of Library and Information

Science

2019 Research Fellow

University of Michigan, School of Information

2015 – 2018 Graduate Student Research Assistant

Qualitative Data Reuse (QDR): Records of Practice in Educational Research

and Teacher Development

University of Michigan, School of Information

2012 – 2014 Graduate Student Research Assistant

Dissemination Information Packages for Information Reuse (DIPIR) Project

University of Michigan, School of Information

2010 – 2012 University Library Associate

University of Michigan, MLibrary: Art, Architecture, and Engineering Library

AFFILIATIONS

2019 – present <u>Einstein Centre Digital Future</u>

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2021 – 2022 Network: Climate Change & Artificial Intelligence, Berlin-Brandenburg

(CC&AI:BB)

HONORS & AWARDS

2020	Award for Outstanding Service in Digital Teaching (Besondere Leistungen in
	der Digitalen Lehre), Philosophische Fakultät, Humboldt-Universität zu Berlin
2016	Rackham Graduate Student Research Grant
2014	Summer Institute Scholarship, Archival Education and Research Institute
2013	Summer Institute Scholarship, Archival Education and Research Institute
2012	Summer Institute Scholarship, Archival Education and Research Institute
2010 - 2012	University Library Associate Scholarship Award, University of Michigan
2004	JetBlue Airways London School of Economics Scholarship Award
2002	Residential College Student Community Building Award

EXTERNAL FUNDING

2019 – 2022 <u>SCoR-TDR: The Social Construction of Risk in Trustworthy Digital</u>

Repository Audit and Certification

Einstein Centre Digital Future

Award amount: approx. € 700,000 (€ 100,000 per year for 7 years) *Note: funding linked to Humboldt-Universität zu Berlin position

2020 – 2021 <u>Data Feminism in Information Science (workshop grant)</u>

Humboldt-Universität zu Berlin Frauenbeauftragte

Award amount: € 1,000

2020 Open Data for Public Infrastructure and the Social Construction of Risk

InfraLab Berlin

Award amount: € 5,000

2015 Understanding the Development of Sustainable Information

Infrastructures for Digital Preservation to Support Marginalized

Communities (PI)

National Science Foundation (NSF) # 1515303

Award amount: \$5,070

PUBLICATIONS

(<u>Underline</u> indicates graduate student)

Dissertation

Frank, R. D. (2018). The Social Construction of Risk in Trustworthy Digital Repository Audit and Certification. (Dissertation). University of Michigan, Ann Arbor, MI. Open Access: http://hdl.handle.net/2027.42/147539

Master's Thesis

Frank, R. D. (2012). Disaster Planning for Digital Repositories. (Master's Thesis). University of Michigan, Ann Arbor, MI. Open Access: http://hdl.handle.net/2027.42/137664

Peer Reviewed Journal Articles

- Kaald, S., Reistad, O., **Frank, R.D.**, Glaser, A. (accepted). Nuclear Archaeology in Action: Preserving the History of the Jeep II Reactor. *Science & Global Security*.
- **Frank, R. D.** (2022). "Risk in Trustworthy Digital Repository Audit and Certification." *Archival Science* 22, no. 1: 43–73. Open Access: https://doi.org/10.1007/s10502-021-09366-z.
- Yakel, E., **Frank, R. D.**, Suzuka, K., & Smith, J. (2021). Visibilities and Invisibilities in Data Reuse: Video Records of Practice in Education. *Qualitative Research*, 146879412110059. https://doi.org/10.1177/14687941211005955. Open Access: http://hdl.handle.net/2027.42/167728
- Frank, R. D., (2020). The Social Construction of Risk in Digital Preservation. *Journal of the Association for Information Science and Technology*. 71:474-484. https://doi.org/10.1002/asi.24247. Open Access: http://hdl.handle.net/2027.42/149147
- **Frank, R. D.**, Suzuka, K., & Yakel, E. (2020). Tool Selection Among Qualitative Data Reusers. *International Journal of Digital Curation, 15(1),* 15. https://doi.org/10.2218/ijdc.v15i1.710. Open Access: http://hdl.handle.net/2027.42/162592
- Faniel, I., **Frank, R.**, & Yakel, E. (2019), Context from the Data Reuser's Point of View. *Journal of Documentation*, Vol. 75 No. 6, pp. 1274-1297. https://doi.org/10.1108/JD-08-2018-0133 Open Access: https://www.oclc.org/research/publications/2019/context-from-data-reuser-point-of-view.html
- Frank, R. D., Tyler, A. R. B., Gault, A., Suzuka, K., & Yakel, E. (2018). Privacy Concerns in Qualitative Video Data Reuse. *International Journal of Digital Curation*. https://doi.org/10.2218/ijdc.v13i1.492. Open Access: http://hdl.handle.net/2027.42/148322

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Frank, R. D., Yakel, E., & Faniel, I. M. (2015). Destruction/Reconstruction: Preservation of Archaeological and Zoological Research Data. *Archival Science*. http://doi.org/10.1007/s10502-014-9238-9. Open Access: http://hdl.handle.net/2027.42/111298

Peer Reviewed Conference Proceedings

- Frank, R. D., Chen, Z., Crawford, E., Suzuka, K., & Yakel, E. (2017). Trust in Qualitative Data Repositories. In *Proceedings of the Association for Information Science and Technology (ASIS&T)*, 54: 102-111. DOI: https://doi.org/10.1002/pra2.2017.14505401012. Open Access: http://hdl.handle.net/2027.42/139703
- Frank, R. D., Suzuka, K., & Yakel, E. (2016). Examining the Reuse of Digital Video as Qualitative Data. *Proceedings of the Archiving 2016 Annual Meeting*. DOI: https://doi.org/10.2352/issn.2168-3204.2016.1.0.146. Open Access: http://hdl.handle.net/2027.42/136635
- Frank, R. D., Kriesberg, A., Yakel, E., & Faniel, I. M. (2015). Looting Hoards of Gold and Poaching Spotted Owls: Data Confidentiality Among Archaeologists & Zoologists. Proceedings of the Association for Information Science and Technology (ASIS&T), 52: 1–10. DOI: 10.1002/pra2.2015.145052010037 Open Access: http://hdl.handle.net/2027.42/115883
- Frank, R. D. & Yakel, E. (2013). Disaster Planning for Digital Repositories. In *Proceedings of the Association for Information Science & Technology (ASIS&T), 50: 1-10.* DOI 10.1002/meet.14505001058 Open Access: http://hdl.handle.net/2027.42/106841
- Kriesberg, A., **Frank, R. D.**, Yakel, E., & Faniel, I. (2013). The Role of Data Reuse in the Apprenticeship Process. In *Proceedings of the Association for Information Science & Technology (ASIS&T)*, 50:1-10. DOI: 10.1002/meet.14505001051 Open Access: http://hdl.handle.net/2027.42/106839

Lightly Peer Reviewed Conference Proceedings

- Kaald, S., Reistad, O., **Frank, R.D.**, Glaser, A. (2021). Nuclear Archaeology in Action: Preserving the History of the Jeep II Reactor. *Institute of Nuclear Materials Management & European Safeguards Research & Development Association Joint Annual Meeting*. Vienna, Austria.
- Suzuka, K., **Frank, R. D.**, & Yakel, E. (2019). Re-using Video Records of Practice in Teacher Professional Development to Engage in and Develop Mathematics Teaching Practice. *Society for Information Technology and Teacher Education Annual Conference*. Las Vegas, NV. Paper via Conference Website: https://academicexperts.org/conf/site/2019/papers/54737/
- Crawford, E., Suzuka, K., **Frank, R. D.**, & Yakel, E. (2018). Facilitating Access to Digital Records of Practice in Education with Technology. *E-Learn 2018: World Conference on E-Learning*. Retrieved from: https://www.learntechlib.org/primary/p/185295/ Open Access: http://hdl.handle.net/2027.42/147456

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- Suzuka, K., Frank, R. D., Crawford, E., & Yakel, E. (2018). Video Re-use in Mathematics Teacher Education. *Society for Information Technology and Teacher Education 29th Annual Conference (SITE2018)*. Open Access: http://hdl.handle.net/2027.42/144779
- Yakel, E., **Frank, R. D.**, & Suzkua, K. (2015). Educational Records of Practice: Preservation and Access Concerns. In *iPres 2015: Proceedings of the 12th International Conference on Digital Preservation* (pp. 206–210). Chapel Hill, NC: School of Information and Library Science, University of North Carolina at Chapel Hill. Retrieved from http://phaidra.univie.ac.at/o:429567.

Conference Workshops

- Kriesberg, A., & Frank, R. D. (upcoming, 2022). "Climate Change in the Archival Classroom." International Council on Archives. Rome, Italy (virtual conference).
- Frank R. D. (2021). "Feminist Approaches in Information Science." KI-Camp 2021 (AI-Camp 2021). Berlin, Germany (virtual conference).
- Kriesberg, A., & Frank, R. D. (2020). "Teaching Climate Change in the Archival Classroom." Archival Education and Research Institute. Boston, MA (virtual conference).
- Frank, R. D., & Evans, J. (2016). "Practical Strategies for Turning Conversations into Collaborations" Archival Education and Research Institute, Kent, OH.
- Centivany, A., Chalmers, M., **Frank, R. D.**, & Zimmer, M. (2015). "A Collaborative Approach to Improving Information Ethics Education" iConference 2015, Newport Beach, CA. Open Access: https://www.ideals.illinois.edu/handle/2142/73789

Conference Posters

- Frank, R. D., & Rothfritz, L. (2022). Designated Communities: Uncertainty and Risk. 17th International Digital Curation Conference (IDCC). Edinburgh, UK. (virtual conference). Open Access: https://doi.org/10.5281/zenodo.6644963
- **Frank, R. D.** (2022). Risk in the CoreTrustSeal Data Repository Certification Process. iConference 2022. Virtual conference. (**Finalist for Best Poster Award**)
- Frank, R. D., Rothfritz, L., & von Grafenstein, M. (2021). *Public Service Infrastructure:* Open Data and Risk. 16th International Digital Curation Conference (IDCC). Edinburgh, UK. (virtual conference).
- **Frank, R. D.** (2018) *The Social Construction of Risk in the Audit and Certification of Trustworthy Digital Repositories*. Association for Library and Information Science Education (ALISE) Annual Conference Doctoral Student Research Poster Session. Denver, CO.
- **Frank, R. D.**, Hagen, A., Yakel, E., & Suzuka, K. (2016). *Visibilities and Invisibilities in Data and Work Practices: The Case of Video Records of Practice in Education*. 11th International Digital Curation Conference (IDCC). Amsterdam, Netherlands.

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- **Frank, R. D.** (2014). Lots of Copies Keeps Stuff Safe: Examining the USDocs LOCKSS Network as a Socio-Technical System. Archival Education and Research Institute Poster Session, Pittsburgh, PA.
- **Frank, R. D.** (2014). Knowledge Infrastructures and Digital Preservation: An Examination of the Development of LOCKSS as a Second Order Technical System. International Digital Curation Conference, San Francisco, CA.
- Yakel, E., Faniel, I., & Frank, R. D. (2014). Dynamics of Data Reuse when Aggregating Data through Time and Space: The Case of Archaeology and Zoology. International Digital Curation Conference, San Francisco, CA.
- **Frank, R. D.** (2013). *Preservation of Archaeological and Zoological Research Data*. Society of American Archivists Annual Conference, New Orleans, LA.
- Frank, R. D. (2012). Disaster Planning and Trustworthy Digital Repositories. Archival Education and Research Institute Poster Session, Los Angeles, CA.

Reports and Other Papers

Frank, R. D., von Grafenstein, M., & <u>Rothfritz, L.</u> (2022). Open Data und die Risikowahrnehmung in der Öffentlichen Daseinsvorsorge (Open Data and the Perception of Risk in Public Services). Open Access: https://zenodo.org/record/6285549

Book Reviews

Frank, R. D. (2021). Cinderella's stick: A fairy tale for digital preservation. Yiannis Tzitzikas, Yiannis Marketakis. Berlin: Springer, 2018, 249 pp., € 51.16 (paperback). (ISBN 9783319984872). *Journal of the Association for Information Science and Technology*, 72(5), 649–652. https://doi.org/10.1002/asi.24434

WORKSHOPS

Organized Workshops

Data Feminism in Information Science Workshop, (November 2020 – February 2021), Institut für Bibliotheks- und Informationswissenschaft, Humboldt-Universität zu Berlin.

Workshops Attended

Climate Change & AI Network Berlin Brandenburg Workshop, (December 2021).

COLLOQUIA

- Frank, R. D. (2021). Early Career Colloquium, iConference 2021, virtual conference.
- **Frank, R. D.** (2017). "The Social Construction of Risk in the Audit and Certification of Trustworthy Digital Repositories." 2017 ASIS&T Doctoral Colloquium. Washington, D.C.

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TALKS & PRESENTATIONS

Conference Presentations

- Moderator, Keynote Presentation (2021). Data Feminism (speakers: Catherine D'Ignazio & Lauren F. Klein). iConference 2021 Beijing, China (virtual conference).
- Frank, R. D., Suzuka, K., & Yakel, E. (2020). *Tool Selection Among Qualitative Data Reusers*. International Digital Curation Conference (IDCC), Dublin Ireland.
- **Frank, R. D.** (2017). A Model for the Social Construction of Risk in the Audit and Certification of Trustworthy Digital Repositories. Society of American Archivists Annual Conference Research Forum, Portland, OR.
- **Frank, R. D.** (2017). The Social Construction of Risk in the Audit and Certification of Trustworthy Digital Repositories." Archival Education and Research Institute, Toronto, ON.
- **Frank, R. D.** (2016). *Risk Perception and Trustworthy Digital Repositories*. Archival Education and Research Institute, Kent, OH.
- Frank, R. D., & Evans, J. (2015). Construction and Reconstruction: Understanding the Development of Sustainable Information Infrastructures to Support Marginalized Communities. 2015 Conference on Research Applications, Information and Library Science (RAILS), Sydney, NSW, Australia.
- **Frank**, **R. D.** (2013). Selection for Digitization Through the Lens of Archival Reappraisal. Archival Education and Research Institute, Austin, TX.
- **Frank, R. D.** (2012). Collaborative Mentorship: Engaging Information School Students in Concurrent Library Employment. Michigan Academies Annual Conference, Mt. Pleasant, MI.
- Frank, R. D. (2012). Game Over: Disaster Planning for the Computer and Video Game Archive. Quasi-Con 2012, Ann Arbor, MI.
- Frank, R. D., Cox, A., Hukill, G., Johnston, J., & Maynard, A. (2012). *Evaluating the Success of Grant-Funded Digital Preservation Projects*. Quasi-Con 2012, Ann Arbor, MI.
- Frank, R. D. (2011). Preparing for the Worst: Disaster Planning at the Art, Architecture, and Engineering Library. MLibrary Lightning Talks, Ann Arbor, MI.
- Moderator, Panel Discussion: (2011) Paving the Way for an Uncertain Future: Teaching Art Information Management in the 21st Century. Art Libraries Society of North America Annual Conference, Minneapolis, MN.

Conference Keynotes and Plenaries

[Keynote] **Frank, R.D.** (April 2022). What Questions Should We Ask? Feminist Perspectives in Data & Information Science. 2022 Women in Data Science (WiDS) Conference. WUMANetzwerk. Mannheim, Germany, virtual event.

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Invited Talks

- **Frank, R. D.** (upcoming, November 2022). Asking Feminist Questions in Data & Information Science. Berliner Bibliothekswissenschaftlichen Kolloquium (BBK), Institut für Bibliotheks- und Informationswissenschaft, Humboldt-Universität zu Berlin. Berlin, Germany.
- **Frank, R.D.** (2022). *Risk & Open Data in Public Service Infrastructure*, Invited presentation: Einstein Centre Digital Future & Confederation of Norwegian Enterprise (NHO). Berlin, Germany.
- Frank, R.D. (2021). The Social Construction of Risk in Trustworthy Digital Repository Certification, Library Science Talks, Zentralbibliothek Zürich, Association of International Librarians and Information Specialists (AILIS) and CERN Scientific Information Service. Zürich, Switzerland, virtual presentation.
- Frank, R. D. (2020). *Tool Selection Among Qualitative Data Reusers*. Berliner Bibliothekswissenschaftlichen Kolloquium (BBK), Institut für Bibliotheks- und Informationswissenschaft, Humboldt-Universität zu Berlin. Berlin, Germany.
- **Frank, R. D.** (2020). The Social Construction of Risk in Digital Preservation: A Qualitative Study of Trustworthy Digital Repository Audit Processes. Invited Presentation: Digital Future Lecture Series, Technische Universität Berlin. Berlin, Germany.
- Frank, R. D. (2015) Construction and Reconstruction: Understanding the Development of Sustainable Information Infrastructures to Support Marginalized Communities. Invited Presentation: Public Records Office of Victoria. Melbourne, VIC, Australia.
- Frank, R. D. (2015). Digital Preservation: Sustainability Through Participation? Monash University Faculty of Information Technology. Caulfield, VIC, Australia.
- Frank, R. D. (2015). A Thing That Can Ignite: Rebooting Heritage Institutions After Disaster. NerdNite Detroit: Reboot, Renew, Relaunch. Detroit, MI.

TEACHING EXPERIENCE

Instructor of Record, University of Tennessee, Knoxville School of Information Sciences

DATA 301: Data Stewardship & Ethics (Fall 2022)

Instructor of Record, Berlin School of Library and Information Science

MWP5: Digital Information Management (Winter 2019-20, 2021-22)

BP3: Introduction to Scholarly Communication (Summer 2020, 2021, 2022)

Forschungskolleg (Research Seminar for Student Theses) (Winter 2020-21)

FS 08.01: Digital Infrastructures and Archiving (Summer 2020, 2021)

MWP8: Digital Curation (Summer 2020)

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Instructor of Record, University of Michigan School of Information

SI 699: Digital Curation Mastery Course (Winter 2019)

SI 625: Digital Preservation (Fall 2018)

Graduate Student Instructor, University of Michigan School of Information

SI 530: Principles in Management (Fall 2014)

SI 501: Contextual Inquiry and Project Management (Fall 2013)

Guest Lectures

SI 625: Digital Preservation, University of Michigan School of Information (Winter 2016) "Risk Management & Disaster Planning for Digital Repositories"

SI 625: Digital Preservation, University of Michigan School of Information (Winter 2014) "Disaster Planning for Digital Repositories"

ADVISING

(Student names available upon request.)

Berlin School of Library and Information, Master's Students - Thesis Advising

2022 – present	A Qualitative Examination of Digital Curation Practices at a Health Research Organization in Germany During the COVID-19 Pandemic
2022 – present	Representation of female authors in course readings at the Department of Library and Information Science at the Humboldt-Universität zu Berlin
2022	Digital Preservation Environments – A Qualitative Case Study of Rhizome.
2021	Venezuelan diaspora in library and information science: a qualitative examination of career outcomes abroad.
2021	Understanding how description of digitized amateur film collections represents cultural heritage: A qualitative study of moving image archives in Europe.
2021	Quantitative assessment of metadata collections of research data repositories.
2020	Seeking Research Software. A Qualitative Study of Humanities Scholars' Information Practices.
2020	Analysis of User Requests to the Nautical Chart Archive of a Special Library.
2020	The Underlying Values of Data Ethics Frameworks.
2020	Mapping Franklin Book Programs in University Online Catalogues – Lebanon as Case Study

Berlin School of Library and Information, Bachelor Students - Thesis Advising

What book has this torture scene? I want to avoid it! An analysis of relevance aspects and success rates of the questions and answers of the subreddit r/namethatbook.

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2022	The impact of Open Access activities on the proportion of Open Access publications at the ten universities in Germany with the highest output of publications from 2018-2020.
2022	Cost-benefit analysis of the social media activity of small and very small libraries in Germany.
2021	TRUST Principles for reliable data management: Qualitative analysis of a CTS certified repository Protein Data Bank for trustworthiness.
2021	On the way to a green library. A case study on the transformation of the Heinrich Böll Library into a sustainable thinking library.
2019	The sound of science. A systematic review of research design and data practices in peer-reviewed musicological publications.

SERVICE & GOVERNANCE

Reviewing: Funding

Leibniz Association (Germany)

Reviewing: Journals

American Archivist

Archival Science

Archives and Manuscripts

Ecosphere

Journal of Data and Information Quality

Journal of Librarianship & Information Science

Journal of the Association for Information Science and Technology (JASIST)

SAGE Open

Reviewing: Conferences

Archiving (2016, 2017, 2018, 2021, 2022)

Association of Information Science and Technology (ASIST) Annual Conference (2019, 2020, 2021, 2022)

International Digital Curation Conference (IDCC) (2021)

International Symposium on Information science (ISI) (2021)

External

Co-Chair, 2023 iConference special track on Information Sustainability
Member, Advisory Board for the Berlin University Alliance (BUA) Shared
Services Center (SOURCE)
Member, Einstein Centre Digital Future Women in STEAM Initiative
Advisor, HEADT Centre (Humboldt-Elsevier Advanced Data and Text Centre)
Participant & Mentee, ProFiL Program ("Professionalization of Women in
Research and Teaching: Mentoring – Training – Networking")

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Rebecca D. Frank

2020 - 2021	Programming Committee Member, 16th International Symposium on Information Science (ISI 2021)
2020	Mentor, iConference Doctoral Colloquium
2019	Member, Society of American Archivists Annual Conference Student Program
	Subcommittee
2016	Student Volunteer, Personal Digital Archiving Conference (PDA 2016)
2013 - 2015	Editorial Advisory Board Member, Decker, E. N., & Townes, J. A. (2016).
	Handbook of Research on Disaster Management and Contingency Planning in
	Modern Libraries (pp. 1-677). Hershey, PA: IGI Global. doi:10.4018/978-1-
	<u>4666-8624-3</u>

Internal, University of Tennessee, Knoxville

2022 – present Faculty Advisor, Public Broadcasting Fellowship, American Archive of Public Broadcasting

Internal, Berlin School of Library and Information Science

2021 - 2022	Organizer, Doctoral Colloquium
2019 - 2022	Mentor, Forschungskolleg (BA & MA student thesis advising)
2020 - 2022	Voting Member, Institutional Council (Institutsrat)
2020 - 2021	Mentor, IBI Mentoring Program for New Students
2020	Member, Search Committee: W2-Professur für "Wissenschaftsforschung mit
	Schwerpunkt Evaluationsforschung"

Internal, University of Michigan

Mentor, UMSI Doctoral Student Peer Mentoring Program
Member, UMSI Dean Search Advisory Committee
Graduate Student Instructor Mentor (UMSI)
Group Leader, Sweetland Dissertation Writing Group Program
Member, UMSI Doctoral Executive Committee
Member, UMSI Doctoral Development Seminar Planning Committee
Member, HathiTrust Disaster Planning Advisory Group
Website Usability Testing, University of Michigan Office of Research
Cyberinfrastructure (ORCI)
Preservation Assessment & Plan, University of Michigan Computer and Video
Game Archive (CVGA)
Member, Organizational Studies Alumni Committee
Member, Residential College Executive Committee
Chair, Residential College Student Republic Academic Affairs Committee

AFFILIATIONS & CERTIFICATIONS

2013 – present	Member, Association for Information Science and Technology (ASIS&T)
2010 – present	Member, Society of American Archivists (SAA)
2018	University of Michigan Graduate Teaching Certificate

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