

# Alexandria Rayburn

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## Education

- 2020-2024 **Doctor of Philosophy in Information (PhD)**  
University of Michigan School of Information  
Advisors: Andrea Thomer, Ricky Punzalan
- 2018-2020 **Master of Science in Information, Concentration in Digital Curation (MSI)**  
University of Michigan School of Information  
Graduate Certificate in Museum Studies
- 2013 -2017 **Bachelor of Arts, Arts & Humanities, *Cum Laude* (BA)**  
Michigan State University  
Minors in Museum Studies and Geography

## Research Interests

Digital Curation, Computing in Museums, Metadata Studies, Knowledge Infrastructures

## Experience

- 2019-2022 **Graduate Student Research Assistant**, University of Michigan School of Information  
Assisted Dr. Andrea Thomer on the Migrating Research Data Collection project (IMLS funded) developing best practices in data and database migration, specifically in museums and archives. Assisted with data collection and analysis and general project management, published findings from the research in academic journals and conferences.
- 2021- 2022 **Archivist**, Graduate Employee Union (GEO) AFT Michigan 3550, AFL-CIO  
Created a sustainable archival plan for this organization including managing, organizing, and classifying digital assets, creating and documenting procedures for a digital repository, and implementing a document retention schedule. Also coordinated a record donation of analog material to a relevant archive.
- Spring 2021 **Research Collaborator**, University of Michigan School of Information  
Assisted Dr. Ricky Punzalan with the planning and analysis of focus groups with users of the The Great Lakes Research Alliance for the Study of Aboriginal Arts & Cultures (GRASAC) knowledge sharing database. The goals of these focus groups were to understand and document unmet needs of this user community. The information gathered will guide future enhancements to the database.
- Summer 2019 **Research Assistant**, University of Michigan School of Information  
Assisted Dr. Patricia Garcia on the project CompuGirls (IMLS and NSF funded), developing a culturally responsive model for teaching STEM in public libraries.
- 2018-2019 **Art Handler**, University of Michigan Museum of Art  
Prepared, installed and rehoused works of art for the use of visiting students and researchers of the museum.

- Fall 2018 **Reference Librarian**, Stephen S. Clark Library at the University of Michigan  
Cataloged maps using Machine Readable Cataloging (MARC) standards along with assisting patrons.
- 2016-2018 **Collections Specialist**, Michigan State University Museum  
Digitally archived material for The Quilt Index and the Michigan Stained Glass Census (NEH and IMLS funded).
- 2015-2016 **Library Conservation Technician**, Michigan State University Libraries  
Trained under the Special Collections conservation team to repair books in various states of distress.
- Summer 2015 **Research Intern**, Southern Food and Beverage Museum  
Researched content surrounding the roots of southern food to create new labels for a permanent exhibit within the museum.

## Publications and Presentations

### Presentations and Panels

Hodge, C, Krmpotich, C, Marsh, D, Punzalan, R, **Rayburn, A**, Raymond, S (2021, November). A Conversation on Community-led Databases: Surveying Methods of Knowledge Sovereignty. Roundtable at the *American Anthropological Association Annual Meeting (AAA)*. Baltimore, MD.

Tracey, P, Huber, L, Perry, C, **Rayburn, A** (2021, September). Theorizing Care and the Digital. Panel at the *34th Annual Meeting of the Society for Literature, Science and the Arts (SLSA2021)*. Ann Arbor, MI.

### Posters and conference proceedings

Thomer, AK, Starks, JR, **Rayburn, A**, Lenard, M (2022, November). Maintaining Repositories, Databases, and Digital Collections in Memory Institutions: An Integrative Review. Paper accepted for publication at the *85th Annual Meeting of the Association for Information Science and Technology*. Pittsburgh, Pennsylvania.

Starks, JR, **Rayburn, A**, Lenard, M, Thomer, AK (2022, March). What best practices exist to support database and digital collection migration? Poster presented at the Research Data Access and Preservation (RDAP) Association. Virtual.

**Rayburn, A**, Thomer, AK (2022, February). The Craft of Database Curation: Taking Cues from Quilting. Poster presented in the *iConference proceedings 2022*. Virtual. <https://dx.doi.org/10.7302/4358>

**Rayburn A** (2021, October). Understanding the Role of Community Collaboration Within Indigenous Cultural Heritage Data Migrations. Poster presented at the *84th Annual Meeting of the Association for Information Science and Technology*. Salt Lake City, Utah. <https://doi.org/10.1002/pr2.571>

Tracey, P, **Rayburn, A** (2021, October). Reddit as a Forum for Social Service Workers. Poster presented at the *84th Annual Meeting of the Association for Information Science and Technology*. Salt Lake City, UT. <https://doi.org/10.1002/pr2.584>

**Rayburn, A**, Thomer, AK (2020, February). Reconstructing the development of legacy database platforms. Poster presented at the *International Digital Curation Conference*. Dublin, Ireland.  
<https://deepblue.lib.umich.edu/handle/2027.42/162598>

Thomer, AK, **Rayburn, A**, & Tyler, ARB (2020, February). Three approaches to documenting database migrations. Presented at the *International Digital Curation Conference*. Dublin, Ireland. doi:  
10.2218/ijdc.v15i1.726

**Rayburn A**, Counts M, Sexton T, Patterson, R (2019, August). A Digital Look At Protest Culture In Ann Arbor, Michigan. Poster presented at the *83rd Annual Society of American Archivists Conference*. Austin, TX.

**Rayburn, A**, Counts, M, Sexton, T, Patterson, R (2019, April). A Historic Look at Protest Culture In Ann Arbor. Poster presented at the *Midwest Archives Conference*. Detroit, MI.

## Workshop Papers

Thomer, AK, **Rayburn A**. (2022, May). Craft, data, and the material ethics of computing. Towards a Material Ethics of Computing Workshop. *CHI 2022*. New Orleans, LA.

Thomer, AK, Sciolla, S, **Rayburn, A**, Topham, K, Lundering-Timpano, M. (2019, June). Practical and meta-challenges in modeling database migrations: a case study of the MBGNA. Conceptual Models in Digital Libraries, Archives and Museums Workshop. *Annual Meeting of the Joint Conference of Digital Libraries*. Champaign, IL. [https://github.com/sig-cm/JCDL2019/blob/master/thomer\\_sigcm\\_19.pdf](https://github.com/sig-cm/JCDL2019/blob/master/thomer_sigcm_19.pdf)

## Manuscripts Under Review

**Rayburn A**, Thomer, AK. 'A patchwork of data systems:' Quilting as an analytical lens for infrastructure maintenance. Submitted to the *Journal of Science, Technology, & Human Values*.

## Honors and Awards

2022	iConference 2022 Best Poster Award
2020-2021	University of Michigan School of Information Merit Fellowship
2019	Midwest Archives Conference 2019 Best Poster Award
2018-2020	University of Michigan School of Information Wallace J. Bonk Scholarship
2018-2020	University of Michigan School of Information Philip Berry Scholarship
2013-2017	Michigan State University Honors College
2013-2017	Michigan State University Dean's List

## Service

2021	Reviewer, Computer Supported Cooperative Work (CSCW) 2022
2021	Reviewer, Archival Science
2020	Student Volunteer, International Conference on the History of Records and Archives
2019	Student Officer, Society of American Archivists University of Michigan Chapter