Ryan Carty

Curriculum Vitae
August 13, 2025

EMPLOYMENT

2025-Present North Carolina State University, Raleigh, NC
Assistant Professor, Department of History

EDUCATION

2025 Michigan State University, East Lansing, MI
PhD, History, May 2025.
Dissertation: "Fasahan Dabbobi: Technology, Livestock, and Environment in West Africa, 1890 to 1980."
Committee: Nwando Achebe, Jamie Monson, Walter Hawthorne, Glen Chambers.

2013 University of Pennsylvania, Philadelphia, PA
BA, *summa cum laude*, Science, Technology, and Society, Phi Beta Kappa, May 2013.

PUBLICATIONS

Refereed Journal Articles

2023 Barker, Caitlin, Ryan Carty, Ajamu Amiri Dillahunt-Holloway, Mircea Lazar, and Nomzamo Portia Ntombela. "Before the Anti-Homosexuality Bill: The Historical Contours of LGBT Organizing in Nigeria." *Journal of West African History* 9, no. 1 (March 1, 2023): 111–45.

2020 Shimizu, C., P. Hitzler, Q. Hirt, D. Rehberger, S.G. Estrecha, C. Foley, A.M. Sheill, W. Hawthorne, E. Watrall, R. Carty, et al. "The Enslaved Ontology: Peoples of the Historic Slave Trade." *Journal of Web Semantics* 63 (August 1, 2020).

Digital History Projects

2024 Carty, Ryan. "Prototype for An African Visualization of Livestock Mobility." https://cattle-moves.ryattay.me/ (2024).

2020 Carty, Ryan. "Volta River Commodities." Cultural Heritage Informatics Fellowship, Michigan State University, https://ryattay.github.io/volta-river-commodities/ (2020).

2019 Handelman, Matthew and Ryan Carty. "Visualizing German-Jewish Intellectual Life in the Early Twentieth Century." Department of Linguistics, Languages, and Cultures, Michigan State University (2019).

2019 Carty, Ryan. "Africa's Imperial Commodities." Cultural Heritage Informatics Fellowship, Michigan State University, https://ryattay.github.io/africasimperialcommodities/ (2019).

AWARDS AND HONORS

2024 Don Lammers Graduate Award, History Department, Michigan State University

2023 The Sinclair and S. Suzanne Powell Scholarship in Transportation History, History Department, Michigan State University

2019 Research Scholars Award, College of Social Science, Michigan State University

2018 Research Scholars Award, College of Social Science, Michigan State University

GRANTS AND FELLOWSHIPS

External

2024 National Science Foundation (NSF) Travel Grant for the Society for the History of Technology Annual Meeting, Universidad Adolfo Ibáñez, July 9-14, 2024.

2020 US Department of Education Fulbright-Hays Doctoral Dissertation Research Abroad, Burkina Faso, Ghana, and Senegal. [Completed in 2022 because of COVID-19.]

2019 Tensions of Europe Travel Grant for the Early Career Summer School in Digital Humanities and History of Technology, University of Luxembourg, June 25-29, 2019.

2018 West African Research Association (WARA) Pre-doctoral Dissertation Fellowship, Burkina Faso, Ghana, and Togo, May-August 2018.

Internal

2024 Foreign Language and Area Studies Dissertation Writing Fellowship, African Studies Center, Michigan State University.

2024 African Studies Center Travel Grant for the Society for the History of Technology Annual Meeting, Universidad Adolfo Ibáñez, July 9-14, 2024.

2023 Foreign Language and Area Studies Dissertation Writing Fellowship, African Studies Center, Michigan State University.

2019 Foreign Language and Area Studies Fellowship, African Studies Center, Michigan State University.

2019 Cultural Heritage Informatics Graduate Fellowship, Department of Anthropology, Michigan State University.

2019 Cultural Heritage Informatics Travel Grant for the Early Career Summer School in Digital Humanities and History of Technology, University of Luxembourg, June 25-29, 2019.

2018 Foreign Language and Area Studies Fellowship, African Studies Center, Michigan State University.

2018 Cultural Heritage Informatics Graduate Fellowship, Department of Anthropology, Michigan State University.

2017 Foreign Language and Area Studies Fellowship, African Studies Center, Michigan State University.

CONFERENCE ACTIVITY

Papers Presented

2025 "Leatherwork, Environmental Technology, and Scientific Nationalism in Ghana," African Studies Association Conference, Atlanta, GA, November 2025.

2024 "Livestock Mobilities: Animals and Motorized Transport in West Africa, 1940 to 1972," African Studies Association Conference, Chicago, IL, December 2024.

2024 "Vaccine Infrastructures: Animal and Human Labor in Twentieth Century West Africa," ["Infraestructuras de vacunas: Trabajo animal y humano en el África Occidental del siglo XX"] the Joint ICOHTEC-SHOT Conference, Universidad Adolfo Ibáñez, July 9-14, 2024.

2023 "Preservation Technology: Refrigeration and the Meat Trade, 1940s to 1970s," African Studies Association Conference, San Francisco, CA, November 2023.

2023 "Livestock Vaccines: Techniques and Materials of Healing, 1930s to 1960s," Decolonizing Medicine in Africa Conference, Towson University, September 2023.

2022 "L'histoire du système d'élevage entre le Burkina Faso et le Ghana, 1950s à 1980s," ["The history of the livestock system between Burkina Faso and Ghana, from the 1950s to the 1980s"] the Master's Seminar, History and Archaeology Department, University Joseph Ki Zerbo, Ouagadougou, Burkina Faso, June 2022.

2021 "Introducing a Pilot Prototype of Local African Language Computerized Adaptive Test to Certify and Empower Enumerators in Local Communities," European Evaluation Society, September 2021. [Virtual.]

2019 "Visualizing German-Jewish Intellectual Life in the Early Twentieth Century," Digital Humanities Symposium, Michigan State University Speaker Series, October 2019.

2019 "Processing Northern Ghana: The Materiality of Animal Skins, 1900s to 1960s," Ghana Studies Conference, Accra, Ghana, July 2019.

Chaired Panels

2024 Dynamics of Migration and Urbanization in Policy and Practice, African Studies Association Conference, Chicago, IL, December 2024.

Workshops Led

2020 "Introduction to R for the Humanities," Cultural Heritage Informatics Fellowship Workshop, Michigan State University, January 30, 2020.

Workshops Attended

2025 History of Science Society, Interdisciplinary Summer School, University of Bologna, Italy, June 24-27, 2025.

2019 Tensions of Europe, Early Career Summer School in Digital Humanities and History of Technology, University of Luxembourg, June 25-29, 2019.

TEACHING EXPERIENCE

North Carolina State University

Introduction to West African History
Seminar in History: Technology and Power

Michigan State University

History of the Digital Age [Virtual]

Wayne State University

African Civilizations Since 1800 [Virtual]

RESEARCH EXPERIENCE

2024 Graduate Research Assistant, "Enslaved: The Peoples of the Historical Slave Trade," Matrix: Center for Digital Humanities & Social Sciences, 2023-2024.
Remediated data published in the Journal of Slavery and Data Preservation by aligning fields, records, and values with the Enslaved ontology.

2024 Graduate Research Assistant, "Sex, Lies, and 'Tribal' Politics: Britain's 'Treason' in Her Majesty's Prized Colony Nigeria," Nwando Achebe, History Department, 2023-2024.

Incorporated digital history methods into the project by using OCR software to convert PDF documents into searchable digital files to use with text analysis.

2023 Graduate Research Assistant, *Journal of West African History*, History Department, Nwando Achebe, 2023.

Revamped the book review process by streamlining the workflow and responsibilities shared by the editors and editorial assistants.

2021 Graduate Research Assistant, "Enslaved: The Peoples of the Historical Slave Trade," Matrix: Center for Digital Humanities & Social Sciences, 2020-2021.

Developed recommended practices for structured data in historical research on slavery and the slave trade. Refined controlled vocabularies and metadata used in the linked open data architecture.

2021 Graduate Research Assistant, *Journal of West African History*, History Department, Nwando Achebe, 2019-2021.

Managed the article and book review process by following best practices for double-blind peer review and by working with the Editorial Board, authors, and reviewers.

2020 Graduate Research Assistant, "Visualizing German-Jewish Intellectual Life in the Early Twentieth Century," Department of Linguistics, Languages, and Cultures, Matthew Handelman, 2019-2020.

Built an interactive network graph with D3.JS representing correspondence between German-Jewish intellectuals to highlight the centrality of neglected historical figures.

2019 Graduate Research Assistant, Matrix: Center for Digital Humanities and Social Sciences, Walter Hawthorne, 2018-2019.

Contributed to the construction of the Enslaved ontology, a data model for the historical slave trade, and the linked open data architecture.

SERVICE TO PROFESSION

Reviewer for the *Journal of Transportation History* [1 review].

RELATED PROFESSIONAL SKILLS

Interactive data visualizations: D3.JS, Gephi.
Interactive maps: Mapbox GL JS, Leaflet.
Text analysis: Python, NVivo.
Structured data analysis: Python, R, Stata, OpenRefine.
Website design and development: HTML, CSS, JavaScript, Static-site builders, WordPress.
Web publishing platforms: Omeka S, Omeka.

LANGUAGES

Hausa (Ajami), excellent in reading, speaking, and writing.
French, excellent in reading, speaking, and writing.

PROFESSIONAL MEMBERSHIPS

African Studies Association
Society for the History of Technology
History of Science Society
Association for Computers and the Humanities
West African Research Association/West African Research Center

REFERENCES

Available upon request