

Chloë Zehr

Louisville, CO

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Location: Louisville, CO

Professional Summary

Interdisciplinary researcher and data storyteller skilled in data-driven analysis, text mining, and data governance. Brings a unique perspective to data quality and value management, ensuring data is both accurate and actionable. Expertise in NLP, data quality frameworks, and computational text analysis, with a strong foundation in data ethics and governance. Adept at translating complex data concepts into clear, accessible insights, supporting data strategy, integrity, and cross-functional collaboration. Self-directed and quick to learn new skills, with a track record of adapting to emerging technologies and methodologies. Committed to fostering a data-driven culture that enhances decision-making and business outcomes while advocating for responsible data practices.

Education

University of Colorado Boulder | Boulder, CO

M.A. in History & Digital Humanities | 12/2024

- Graduated with 4.0 GPA

University of California, Santa Barbara | Santa Barbara, CA

B.A. in History | 03/2021

- High honors and distinction in major
- Graduated summa cum laude, 3.8 GPA

Certifications & Credentials

- Graduate Certificate in Digital Humanities – University of Colorado Boulder, 2024
- Research Data Bootcamp Micro-Credential – University of Colorado Boulder, 2023

Technical Skills

- Data Quality & Governance: Data validation, data profiling, data integrity
- Programming & Analytics: Python (pandas, NumPy), R (tidyverse, tm, ggplot2)
- Data Visualization & Reporting: Tableau, Shiny apps, Microsoft Excel (pivot tables, VLOOKUPS)
- Text Mining & NLP: Computational linguistics, topic modeling, UDPIPE, LDA
- Databases & Workflow Management: SQL, GitHub, Jupyter Notebooks, Linux
- GIS & Mapping: QGIS, ArcGIS StoryMaps
- Project Management & Communication: Stakeholder collaboration, technical writing, data storytelling, Google and Microsoft applications

Professional Experience

Master's Thesis Research

University of Colorado Boulder | Aug 2022 – Dec 2024

- Developed a data quality pipeline to clean, process, and analyze historical text data, ensuring data integrity and consistency.

- Designed and executed data-driven methodologies integrating NLP, machine learning, and statistical modeling to uncover patterns in resistance discourse.
- Published findings in a structured GitHub repository, demonstrating technical documentation skills and reproducible research.

Graduate Research Mentorship (Data Governance & NLP)

University of Colorado Boulder | May 2024 – Aug 2024

- Partnered with faculty to annotate and structure Congressional hearing data, ensuring compliance with data governance policies.
- Applied Latent Dirichlet Allocation (LDA) modeling in Python to categorize and interpret large text datasets.

Research Assistant – Digital Slavery Research Lab

University of Colorado Boulder | 2023 – 2024

- Processed large-scale historical datasets, ensuring data accuracy and completeness for a public-facing database.
- Implemented metadata standards and quality checks to maintain data integrity in digitized legal documents.

Processing Assistant – Norlin Library Archives

University of Colorado Boulder | May 2023 – Aug 2023

- Managed and processed historical data collections, ensuring accurate data classification, indexing, and retrieval.
- Updated data structures in ArchiveSpace, improving searchability and accessibility.

Projects & Publications

- [Phrasing Insurrection](#) (Thesis Project)
- Co-Director of the [W.E.B. Du Bois U.S. Anti-Slavery Laws Archive](#)

Conferences & Awards

- First Place Paper Prize – Rocky Mountain Interdisciplinary History Conference, 2024
- Presenter at Rocky Mountain Interdisciplinary History Conference, 2024: Race, Space, and Resistance panel – *Phrasing Insurrection: Concatenations of Enslaved Resistance published in the Virginia Gazette 1735 – 1775*
- Presenter at Louisiana State University Graduate History Conference, 2023: Race and Agency in the Colonial South panel – “*Prudence and Our Safety Forbids*”: *Examining Reports of Enslaved Resistance in the South Carolina Gazette 1732 – 1770*
- Graduate Student Travel Grant – University of Colorado Boulder, 2023

Leadership & Community Involvement

History Graduate Student Association – Secretary

University of Colorado Boulder | Sept 2023 – May 2024

- Organized events, managed budgets, and facilitated cross-departmental communication.