ELIZABETH "LIBBY" SELINE

http://libbyseline.github.io/

EDUCATION

Harris School of Public Policy, The University of Chicago
Master of Science in Computational Analysis and Public Policy

Chicago, Illinois
June 2026 (Expected)

University of Nebraska-Lincoln
Bachelor of Journalism with distinction

Lincoln, Nebraska
May 2021

EXPERIENCE

UCHICAGO JUSTICE PROJECT
Research Assistant

Chicago, Illinois
January 2025 - Present

- Answer research questions pertaining to homicides in Chicago since 1800s by collaborating with the lead professor, senior data scientist and three fellow research assistants
- Write code using R/RStudio that correctly identifies increases in deaths in 100+ hexagonal geographic areas to evaluate factors that maybe have contributed to increase in Chicago neighborhood killings

FLATWATER FREE PRESS
Elections Guide Editor

Omaha, Nebraska
April 2024 - August 2024

- Developed and administered an election candidate survey with a series of 5 point Likert scale questions regarding stances on polarizing issues in Nebraska; oversaw 60% return rate from the questionnaire to produce a voter guide for Nebraskans
- Created pivot tables to summarize the data for 30+ different elections and respective candidates and used the findings to write 400-word paragraphs for each race to promote understanding of critical issues before the November 2024 election

SAN ANTONIO EXPRESS-NEWS
Data Reporter

San Antonio, Texas
July 2021 - January 2024

- Produced quick-turn data stories 1-3 times each month by analyzing requested or public datasets with thousands of rows via R/RStudio to determine the data's cleanliness and evaluate how to most accurately answer readers' questions
- Visualized and identified trends and outliers in maps and graphs via Datawrapper and Flourish programs to find people represented in the data so their story can be told and the community problem could be understood
- Conducted analysis for longterm and investigative articles by defining the problem facing the community and developing a list of questions to ask of the data so the investigation could serve a clear purpose

THE NEW YORK TIMES
Freelancer

Remote
March 2020 - April 2021

- Monitored the spread of COVID-19 among incarcerated people by manually collecting data from the nations 2,000+ state, federal and local correctional facilities and tracking changes in a Google spreadsheet to inform the public about outbreaks
- Developed relationships with records custodians and filing records requests at least once a week to ensure data was current and up to date so corresponding graphics could inform people of the latest information regarding COVID-19 in facilities
- Interviewed incarcerated people, family members and advocates to learn about the stories represented in the data and then publish articles about hardships of coronavirus outbreak in all U.S. prison facilities

THE SALT LAKE TRIBUNE
Dow Jones News Fund Data Reporter

Salt Lake City, Utah
May 2020 - August 2020

- Assisted newsroom coverage of Black Lives Matter protests by interviewing attendees and coordinating coverage with photographers, editors and reporters to effectively cover a historical event as it occurs
- Cleaned and analyzed hundreds of rows of calls for service data in R/RStudio to help more than 30,000 readers understand how police operations are executed in Salt Lake City

ACADEMIC PROJECTS

311 Calls & Aldermanic Funding Analysis
January 2025 - March 2025

- Analyzed Chicago's 311 calls and City Council members' use of $1.5 million for community-based projects to learn if spending addressed citizens' concerns by utilizing Python to scrape the web, form a database of Chicago alderpeople and 311 calls, and create visualizations so the team's findings could be shared in a command-line executable program

COMMUNITY INVOLVEMENT

LAUNCH LEADERSHIP
Evaluations Coordinator & Volunteer Staffer

Lincoln, Nebraska
January 2024 - Present

- Volunteer to gather and study feedback to readily inform 50+ staff members about immediate, actionable changes and present nonprofit volunteers with quantifiable measurements of students' enjoyment during a service
- Develop leadership skills among high school and middle school students by executing 3-7 activities and leading discussions in every day of a non-profit service

TECHNICAL SKILLS

Python, R/RStudio, Git/Github, Flourish, Datawrapper, HTML and CSS, QGIS, ArcGIS Pro

ACHIEVEMENTS

2021 Pulitzer Prize in Public Service; 2023 Texas Managing Editors: Third place in Community Service Reporting; 2023 Best of the West Contest: Third Place Social Justice; 2023 New York Press Association: Best Investigative/In Depth Reporting award