

Caleb Winebrenner

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Data storyteller and cartographer with a background in GIS, qualitative analysis, and ethical data practices. Experienced in collaborative projects that center care, equity, and place-based knowledge. Brings a systems-thinking approach and a deep commitment to mutual aid and community transformation.

Skills

Data & Research:

- GIS (QGIS, ArcGIS)
- R (tidyverse, spatial, statistics)
- SQL
- Git
- Data visualisation
- Qualitative analyses
- Evaluation and reporting

Community & Collaboration:

- Workshop facilitation and design
- Participatory research
- Public speaking
- Conflict resolution (NVC)

Selected Projects

Data Feminism Seminar

Led a local discussion group on the book *Data Feminism* focused on applying equity principles to data and research.

NBD Data Management Guide

Principal author on the data management guide adopted by the department.

Deep Map of Central NY

Thesis project combining historical research and GIS to explore Indigenous geographies in the Military Tract.

Courses

Wise Speech

Oren Jay Sofer | A six-week course on Nonviolent Communication (NVC) and its connection to mindfulness for conflict resolution and social change work.

Foundations & Applications of Humanities Analytics

Santa Fe Institute | Online semester course and in-person workshop on textual data analysis, visualization, and operationalizing humanities research questions.

Desire + Design

School for Designing a Society | Three-week residency on social change through creative activism, play, and clowning, deeply informed by systems thinking.

Experience

Codes Data & Mapping Analyst | City of Syracuse

Dec 2022 – present | Supports the Department of Neighborhood and Business Development (especially the divisions of Neighborhood Planning and Code Enforcement) with spatial analysis, R scripting, SQL reporting, and mapping initiatives. Cross-departmental groups include the Evaluation Working Group, the Data Governance Committee, and the Sustainability Task Force.

Adjunct Professor of GIS | Le Moyne College

Jan 2024 – May 2024 | Taught GIS fundamentals to undergraduate students, leading them through independent mapping projects from design to analysis.

GIS Data Scientist | University of Pittsburgh

Apr 2022 – Nov 2022 | Conducted spatial regression, analysis, and mapping for the Spaces and People in Neighborhoods (SPIN) study, which examined microgeographies of stress for Black adolescent youth in Pittsburgh SPIN study to understand environmental stressors.

Curriculum Developer | Data Stories

Jan 2022 – June 2022 | Created lessons for data-driven learning focused on social topics including climate justice, internet access, and demography.

Geospatial Trainer Intern | Conservation International

June 2021 – Sept 2021 | Designed training content for inclusive conservation technology programs. Managed knowledge transfer tools and supported qualitative and spatial data collection efforts.

Literature & Composition Teacher | Great Hearts Academies

Jan 2016 – Sept 2020 | Led Socratic seminars in poetry and literature. Developed curricula that linked poetry to logic, language, and ethical reflection.

Adjunct Professor of Theatre | Chandler-Gilbert Community College

Aug 2015 – Dec 2019 | Designed and taught “The Art of Storytelling,” a performance-based course with interdisciplinary applications across the social sciences and humanities.

Education

M.S. in Geographic Information Science & Technology

June 2020 – Aug 2022 | *University of Southern California*

Thesis: *Walking to the Longhouse: a Deep Map of the Central New York Military Tract & its Indigenous History* (Thesis Prize, 3rd Place)

M.A. in Educational Theatre in Colleges & Communities

June 2011 – August 2012 | *New York University*

B.A. in Linguistics

Aug 2007 – May 2011 | *Duke University*