

Caleb Winebrenner

Syracuse, NY · winebren@usc.edu · mappist.github.io

Research interests

Community geography, deep mapping, open data / open source, environmental justice, critical cartography, critical pedagogy, archives, oral history, storytelling, digital humanities

Education

- 2020 – 2022 **University of Southern California** – Los Angeles, CA
Master of Science, Geographic Information Science & Technology
Thesis: “Walking to the Longhouse: a Deep Map of the Central New York Military Tract & its Indigenous History”
- 2011 – 2012 **New York University** – New York, NY
Master of Arts, Educational Theatre in Colleges & Communities
- 2007 – 2011 **Duke University** – Durham, NC
Bachelor of Arts, Linguistics

Industry experience

- Dec 2021 – Present **Data Stories** – Curriculum Developer
Developing both teacher-led and student-led lessons for data-driven learning about social and cultural issues, including climate justice, food systems, and demography.
- June 2021 – Sept 2021 **Conservation International** – Geospatial Trainer Intern
Conducted research and development for a curriculum in inclusive conservation technologies. Organized institutional geospatial knowledge into a central hub aligned with FAIR data standards. Collaborated on assessment interviews community mapping and ecological monitoring, including qualitative coding.

University Activities

Carto-Rebels, Organizer

Organized a group of graduate students to improve our skills with mapping, data visualization, and information design. The group has a Discord server to share work and get feedback, organized to take Edward Tufte's seminar course together, and was instrumental in inviting John Nelson to give a brown bag talk at USC.

Environmental Humanities Working Group, Member

An interdisciplinary working group of graduate students and faculty at USC meeting to discuss scholarship in the environmental humanities, including environmental history, geohumanities, climate justice, and related topics.

USC Sidney Harman Academy for Polymathic Study, Fellow

A space at USC Libraries dedicated to polymathic and interdisciplinary inquiry. Academy activities include attending a lecture discussion series, a book club each semester, and a salon-style dinner club. Inducted as a Fellow in May of 2021.

Talks & Posters

- Feb 2022 **Mapping Silences: Archival Counter-Narratives and Deep Maps of Colonial History** (Paper)
Presented at AAG as a part of a series of panels "The Archive, Research, and Records of the State"
- Feb 2022 **Deep mapping of local archives to envision forgotten landscapes: A case study of the Onondaga Nation** (Poster)
Presented at AAG in the Cartography Specialty Group's Student Guided Poster Competition
- Oct 2021 **Storyteller as Cartographer: Mapping the Imagination** (Workshop)
Power of Words Conference. This workshop explored the uses of maps in literature and how geographic knowledge shapes forms of storytelling.

Awards & Prizes

- 2022 **Order of Arete** (Nominated)
University of Southern California
An award to recognize student excellence in building community

2022 **Student Guided Poster Competition**, 2nd Place
Cartography Specialty Group of the AAG

2021 **Thesis Prize** (Nominated)
Spatial Sciences Institute, USC

Notable Grants

2022 **Underrepresented Groups Travel Grant**
Cartography Specialty Group of the AAG

2021 **Student Travel Grant**
North American Cartographic Information Society

Select Teaching Experience

Jan 2016 –
Sep 2020 **Teacher – Literature & Composition, Poetry**
Great Hearts Academies
Guided multiple sections of approximately 30 students in Socratic Seminar. Developed lesson plans on great works of literature and poetry in the Western canon. Fostered cross-disciplinary discussions applying mathematical logic to ideas in culture and philosophy.

Aug 2015 –
Dec 2019 **Adjunct Professor – Communications & Fine Arts Division**
Chandler-Gilbert Community College
Developed and taught a one-semester course “The Art of Storytelling” for a community college near Phoenix, AZ. Aligned the course with Humanities general education requirements. Developed storytelling pedagogy for applications to other disciplines.

Aug 2013 –
Aug 2015 **Teaching Artist** (Freelance)
Conducted workshops, short courses, and residencies on storytelling, improvisation, and creativity in youth shelters, libraries, museums, community centers, after-school programs, schools, and disability justice groups. As needed, these facilitated events included storytelling performances. Any workshop lesson plans were aligned with the pedagogical goals of the host organization, including literacy standards.

Aug 2012 –
July 2013 **Volunteer Teacher**
AmeriCorps
Worked as an assistant teacher and youth care worker at a shelter for immigrant youth, including piloting an afterschool theatre program (in Spanish) in collaboration with a team of clinicians.

Professional Development

- Fall 2021 **Foundations & Applications of Humanities Analytics** – Santa Fe Institute
This online semester course introduced graduate students to the methods of humanities analytics, including textual analysis and related data visualizations. The course also covered how to formulate a research question and appropriate operationalizations for work in the humanities with both qualitative and quantitative components.
- Aug 2021 **Analyzing/Presenting Data/Information** – Edward Tufte
This online short course presents Tufte’s fundamentals for information design, data visualization, and effective presentation of findings. A group of USC students attended the course online together and had additional discussions afterward, under the guidance of Dr. Jenn Bernstein
- Aug 2016 – Dec 2017 **Transformative Language Arts Foundations** – TLA Network
A certificate program for artists and facilitators focused on using their art forms (such as storytelling) for community engagement and social change. The certificate requires several courses, attending a conference, and producing a portfolio of writing and teaching materials.

Publications

- 2021 **Social Polygraphy and the Vocation to be Fully Human for the More-than-Human World**
A review of Sletto et. al., *Radical Cartographies*
Society & Space Magazine (Online)

Professional Organizations

- 2021 – Present **American Association of Geographers**
Attended the 2022 conference, including a poster session and paper session
- 2021 – Present **North American Cartographic Information Society**
Attended the 2021 conference and Practical Cartography Day, including showing a poster in the student map gallery
- 2014 – Present **Transformative Language Arts Network**
An organization of artists, activists, and educators using storytelling and related art forms for social change. My service has included six years on the board, chairing the 2019 conference, and presenting a workshop at the 2021 conference, “Storyteller as Cartographer: Mapping the Imagination”

Technical skills

Software

ArcGIS Pro, QGIS, RStudio, Git, Monodraw, Flourish, The Archive

Programming languages

Proficient in LaTeX, R; familiar with SQL

Languages

English (fluent), Spanish (advanced), Portuguese (advanced)