

Resume

Education

University of Wisconsin-Madison

B.S. in Physical Geography, Community and Environmental Sociology, and a Certificate in Environmental Sciences

Graduation: Spring 2021

Dean's List: Fall 2017-Spring 2021

Grade Point Average: 3.8

Senior Honors Thesis: *Visulizing the Seasonality of the Younger Dryas*

Scientific and Data Viz Experience

GIS Analyst Intern

Superior Bio-Conservancy, Spring/ Summer 2021

- Collaborate with academics to identify corridors in the Superior Watershed area that require further legislation to protect.
- Compile, and prioritize environmental data from the nation, state, and county to identify ranges or corridor impact.

Research Assistant

Williams Paleoecology Lab, Fall 2020 - Summer 2021

- Sample, record, and analyze lake core sediments from the midwest region to understand former ecosystems with specific emphasis on Aspen migration.

UW Arboretum Fieldwork Volenteer

University of Wisconsin-Madison Arboretum, Summer 2021

- Identify native plant species to geographically mark and survery the Wisconsin Arboretum.

Undergraduate Lab Assistant

University of Wisconsin-Madison Applied Populations Lab, 2019-2020

- Create maps from historic Wisconsin census data with a specific emphasis on health records
- Identify, digitize, and spatially analyze census data from 1940-1950.

Relevant Coursework

Cartography and GIS

- Applications of Geographic Information Systems in Planning
- GIS Applications
- Interactive Cartography & Geovisualization
- Introduction to Cartography
- Introduction to GIS

Data Analysis

- Climatic Environments of the Past
- Paleoecology: Species Response to Past Envrionmental Conditions
- Glacial and Pleistocene Geology
- Independent Study in Geography

Other Relevent Courses

- Environmental Biogeography
- Introduction to Geopolitics

- Methods of Sociological Inquiry
- Independent Study in Environmental Sociology

Publications

- In Progress

Skills

Cartography/GIS

- ESRI Software, especially ArcGIS Pro, ArcMap, ArcGIS StoryMaps, ArcGIS Online
- QGIS
- SQL
- Adobe Creative Cloud, especially Illustrator, Photoshop

Code and Data

- JavaScript
- R
- HTML/CSS
- Python
- Panoply