

Christina Dennis *cldennis@wisc.edu*

Education

University of Wisconsin-Madison

M.S./Ph.D. in Geography

Advisor: Holly Gibbs

Expected Graduation 2027

Bachelor of Arts in Cartography & GIS with Honors

Senior Honors Thesis: Incorporating a User-Centered Design Approach into Mapping the Cultural and Natural Resources of the Lower Wisconsin State Riverway

Graduated: **2022**

Cartographic and GIS Experience

Research Analyst

GIBBS GLOBAL LAND-USE AND ENVIRONMENT LAB (GLUE) **Jan 2023 to Present**

- Built a national property-level database with tax parcel data
- Conducting research on US private property conservation practices

ANDREW STEVENS AGRICULTURAL ECONOMICS LAB **Sept 2023 to Present**

- Developed a database of Wisconsin farms through time using property data-pipeline from tax parcels

Prior Research Experience

WISCONSIN STATE CARTOGRAPHER'S OFFICE

Research Specialist Sept 2022 to Sept 2023

- Led vulnerability assessments with stakeholders in Ashland Co, WI for locally contextual flood risk data
- Disaggregated data with dasymetric mapping to create flood risk geodatabase
- Created online web tool and documentation for local stakeholders to recreate the process
- Led routine field work using web tools for validation

Student Intern Sept 2021 to May 2022

- Developed the Wisconsin Historical Atlas using a combination of ESRI software and ArcGIS Online
- Created custom interactive web maps and apps using HTML, CSS, JS, and other frameworks
- Geodesy project lead for external clients
- Madison Oak Mapping map creator for external client

NASA DEVELOP, SCIENCE SYSTEMS AND APPLICATIONS INC.

Arizona State University Team Member May 2022 to Aug 2022

- Incorporated NASA Earth Observations and other remote sensing products to help the City of Albuquerque plan their tree planting initiative to reduce urban heat
- Led the modelling and map creation of heat risk mitigation maps and data
- Selected as team representative to present project findings at NASA headquarters in D.C.

WISCONSIN SEA GRANT INSTITUTE/UW CARTOGRAPHY LAB

GIS Student Intern and Research Specialist Sept 2021 to Aug 2022

- Used LiDAR data, ArcPro, GeoPlanner, Story Maps to analyze to plan Green Infrastructure practices
- Updated coastal access point data for Wisconsin Coastal Access Inventory using Excel, AGOL, ArcPro
- Designed Field Maps form to aid Coastal Inventory field workers

- At Cart Lab: Made maps for Coast Access Inventory book