

# Christina Dennis

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## 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

Building a property-level database with tax parcel data

Andrew Stevens Agricultural Economics Lab

Developing a database of WI farms through time with open-source parcel data

## Research Experience

**WI State Cartographer's Office**

***Research Specialist***

**September 2022 - September 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***

**September 2021-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-August 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**

**September 2021-August 2022**

***GIS Student Intern & Research Specialist***

- 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

**Senior Honors Thesis: Advisor, Bill Gartner PhD  
2022**

**January 2021–May**

- Used User-Centered Design in Cartography to create 40x20 Thematic map of Lower Wisconsin Riverway
- Used online survey to involve end-users in creation process
- Held community meetings along the riverway to meet with local users

**Awards & Presentations**

- **May 2024** *Presenter, GLBRC Annual Science Meeting, Lake Geneva*
- **March 2024**, *Presenter, 14<sup>th</sup> Annual St Louis River Summit, Superior WI*
- **March 2024**, *Lightning Talk, SAGE-CCR Lightning Talk event, Madison*
- **February 2024**, *Presenter, UW Data in Action Research Bazaar, Madison*
- **May 2023** *Presenter, GLBRC Annual Science Meeting, Lake Geneva*
- **February 2023** *Presenter, Wisconsin Land Information Association, Annual Conference, Wisconsin Dells*
- **May 2022** *1st Place Winner, Barbara Bartz Petchenik Award for cartographic excellence, UW Geography Department Undergrad Level*
- **February 2022** *Presenter, Wisconsin Land Information Association, Annual Conference, Elkhart Lake*
- **June 2021** *Grant Recipient, College of Letters and Science Summer Honors Thesis Research Grant*

**Other Experiences**

**UW- Oshkosh ERIC Lab**

**June 2021–August 2021**

***Lab Tech/Cartographer***

- Performed lab analysis, entered data, performed tests on water samples, digester, compostable products.
- Drove up coast of Door County to search for public access points, used tools to record beach attributes, used QGIS to make a map showing attributes.
- Took water samples from local businesses in Vilas County for Vilas County Health Department DNR program (connected to ERIC lab)

**NV5 Quantum Spatial**

**November 2020–May 2021**

***Associate Technician***

- Used Microstation, ArcGIS to edit LiDAR point cloud
- Worked with different versions of lidar tiles to clean up the landscape to send to clients

**The River Food Pantry**

**January 2020**

***GIS Consultant***

- Conducted GIS Needs Assessment
- Developed interactive content for use in future planning

**International Student Conferences**

**September 2020–January 2021**

***American Delegate***

- Member of 1st annual China American Student Association

- Met with appr. 20 students and guest speakers from the US and China to talk about US-China relations

**Milwaukee Ballet Company**

***Ballet Dancer***

**2016-2019**

- Danced in 5 company performances annually at the Pabst and Marcus Theatres in Milwaukee
- Took warm up class and rehearsals to prepare for each show
- Worked in a corps and as an individual with choreographers to learn choreography and bring their visions to the professional stage
- Did outreach to Milwaukee-area schools to provide ballet education and awareness

**Central Midwest Ballet School, Storybook Ballet**

***Teacher/Rehearsal Director/Choreographer***

**2019-Present**

- Teach kids aged 8-18 ballet technique and choreography
- Teach kids aged 3-8 ballet technique and storytelling
- Choreographed and rehearsed a piece for 2021 spring showcase
- Lead solo and group rehearsals, took and gave performance notes at dress rehearsals