

Christina Dennis

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Education

University of Wisconsin-Madison

September 2019-May 2022

Bachelor of Arts in Cartography & GIS with Honors

Research Experience

WI State Cartographer's Office

Research Specialist

September 2022-Present

- Conducting vulnerability assessments with stakeholders in Ashland Co, WI for locally contextual flood risk data
- Disaggregating data with dasymetric mapping to create flood risk geodatabase
- Creating online web tool and documentation for local stakeholders to recreate the process

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 (Remote)

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 and understand flooding in Green Bay, WI 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

January 2021-Present

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

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

2016–2019

Ballet Dancer

- 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

2019–Present

Teacher/Rehearsal Director/Choreographer

- 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

Awards

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*