- Landing Page
- Portfolio
  - Geog 370 Lab 2
    - Artist statement: This cloropleth map was my first solo project during my first cartography course. As a former Minnesota high school hockey player, I was curious which other American states partake in the world's greatest game. Using data from the New York Times, I mapped the number of high school hockey players per 100,000 people for each state in the USA.
  - Geog 370 Lab 3
    - Artist statement: I created this informational map with the intended use to be a tourist map. Minnesota is known as "The Land of 10,000 lakes" and as such is a popular state for fishing. Many people travel to or within Minnesota to fish on some of the best lakes and rivers in the country. This map acts as a guide for fisherman who are inexperienced with the best fishing spots in Minnesota.
  - Geog 370 Final Project
    - This map was my final project in my first cartography course. As a big baseball fan, I have always been fascinated by the fact that there is no salary cap in the MLB. I wanted to visualize the "small" and "large" market teams in terms of geographical areas rather than population to see which teams have the largest geographical fanbases.
  - Geog 572 Lab 1 (storymap)
    - Artist statement: This is my first project from Geography 572. I wanted to see the relationship between American college graduation rates and their income per capita to see if there is a correlation between graduating college and how much money one makes. This project is more than a single map and tells a story between Minnesota and Mississippi.
- About Me:
  - Small intro paragraph
  - Resume Link
- Contact
  - Email
  - Social media
  - LinkedIn

Header Image + Page Title

Site Contents (home, about me, contact info)

My Work

emoji

emoji

project title

project title

emoji

emoji

project title

project title

Header Image + Page Title

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emoji

project title

emoji

project title

emoji

project title

Project Title

Artist statement

Topic Image

Actual Map/Project

Project Title

Artist statement

Topic Image

Actual Map/Project

JACK W. WALLENTA

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EDUCATION

University of Wisconsin-Madison　　　　　　　　　　　　　　　　　　　　　　　Madison, WI
Bachelor of Science Degree: Data Science Major　　　　　　　　　　　　　　　*Graduation: May 2023*

EXPERIENCE

Polaris Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Plymouth, MN
Data Analytics Intern　　　　　　　　　　　　　　　　　　　　　　　*May 2022 – August 2022*

- Implemented machine learning methods using SQL and Python to analyze complex data, creating models to predict customer repurchasing trends
- Constructed 8 automatic pipelines within ESRI notebooks and Snowflake, providing nightly aggregation and enrichment of company data
- Researched and developed recommendation presentations on alternative data vendors to replace the existing $400,000 license for wider population coverage, market advantages, and cost reduction

AgMotion Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　　Minneapolis, MN
Commodity Trading Intern　　　　　　　　　　　　　　　　　　　　　*May 2021 – August 2021*

- Traded various commodities such as barley, corn, and wheat by purchasing from suppliers and selling to individual and corporate customers
- Negotiated freight rates with dozens of transportation companies, averaging 30+ trades per week across 24 states and three countries
- Created reports on national agriculture market conditions such as crop production, real-time commodity prices, livestock populations, and profitable lanes of commerce

ACTIVITIES

Data Science Club
General Member　　　　　　　　　　　　　　　　　　　　　　　　*February 2021 – May 2022*

- Participated in data science education assemblies including corporate speaking events, professional development sessions, and internal relationship growth meetings to enhance knowledge of the industry and collaborate with other students pursuing the field
- Created projects on demographic estimation, NBA statistics linear regressions, and a personal website using R

Delta Upsilon Fraternity
Active Member　　　　　　　　　　　　　　　　　　　　　　　　*January 2020 – Present*

- Host and annually raise $5000+ for philanthropic organizations including Turner's Heroes (supports young cancer patients), Barrel Bag (environmental sustainability), and Greater Bucky Open (UW Children's Hospital)
- Provide academic and social feedback in weekly chapter meetings and discuss upcoming philanthropic events and service opportunities

Badger Support Network
Lead Volunteer　　　　　　　　　　　　　　　　　　　　　　　　*February 2021 – May 2021*

- Offered feedback and discuss various opportunities to create an inclusive environment at UW-Madison through weekly support groups and community events
- Promoted other students' mental health and identities through peer-facilitated groups, aimed towards growing an inclusive, all-encompassing network of students

Wisconsin Emerging Scholars in Computer Science (WES-CS)
General Member　　　　　　　　　　　　　　　　　　　　　　*September 2019 – December 2019*

- Accepted to WES-CS, an interactive student group designed to encourage collaboration, enhance understanding of course material, and connect with employees at companies in the STEM industry

SKILLS AND CERTIFICATIONS

- Data Programming: Python, R, SQL, Java
- GIS Software: ESRI, ArcGIS, StoryMaps, Adobe Illustrator
- Probability and Statistics for Business and Data Science – Udemy (2022)
- The Complete SQL Bootcamp - Udemy (2022)