JORRE DAHL

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Education

Middlebury College Class of 2025

Double major in Computer Science and Geography. GPA of 3.83. Relevant courses: Data Science and Statistical Learning, Human and Environmental GIS, Software Development, Cartography, and Computational Theory. Captain/two-time National Finalist for Frisbee Team.

Garfield High School, Seattle WA, Class of 2021

3.97 unweighted GPA. 13 AP classes: Computer Science, AB/BC Calculus, Statistics, etc. AP Scholar with Distinction (Average AP Score of 4.23). Engineering club, Ultimate Frisbee, Tennis. Took university coursework post-junior year.

Experience

Geographic Information System Intern, June-August 2024

GIS and Coding Internship for Sound Transit in Seattle, WA / June 2023-May 2024
- Built an ArcGIS tool using Python to convert and process CAD files to GIS feature layers
- Converted 130 Link Light Rail station floors for future agency use.

Middlebury Student Researcher, February 2023 -May 2024

Data Analysis with Professor Peter Nelson, Geography Department / June 2023-May 2024
- Tracked human migration using monthly phone data set (>1.1B rows) in collaboration with the US Department of Agriculture
- Performed analysis in R, created data visualizations of US migration from COVID

Data Visualization with Professor Jessica L'Roe, Geography Department / February-May 2023
- Created maps and graphs to show the effects of the WCS's efforts towards wellbeing in Sub-Saharan African Villages nearby conservation parks in collaboration with the Wildlife Conservation Society's Basic Necessities Survey program.
- Wrote R code and Shiny plugin to create a web-app

Data Science Across Disciplines Teaching Assistant, January 2024

Assisted students in using R and R's shiny package to visualize and analyze geographic migration data worked on during the previous summer.

DiscNW, Regional Ultimate Frisbee Organization

Summer Camp Coach / June 2021-August 2022, Volunteer Coach / 2018 and 2019
- Mentored over 140 kids ages 8-18 and 12 coaches in training over two summers
- Led presentations, gave individual support, and accepted feedback

Projects

Portfolio at https://jorredahl.github.io/portfolio/. Projects in data structures, dynamic programming, satellite data, GIS analysis, data visualization, and cartography.

Skills Summary

Proficient in Java, Python, Javascript, and Netlogo. Basic working proficiency in French and Spanish. High level proficiency in QGIS, ArcGIS, Adobe Illustrator, Google Earth Engine, and R. Working knowledge of AutoCAD and Revit.