JORRE DAHL

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Education

Middlebury College Class of 2025 (Graduating May 2025)

Double major in Computer Science and Geography. GPA of 3.85. Relevant coursework in: Data Science and Statistical Learning, Human and Environmental GIS, Software and Application Development, Cartography, Conservation Planning and Computational Theory. Won AAG Marble-Boyle Undergraduate Achievement Award in Geographic Science.

Garfield High School, Seattle WA, Class of 2021

3.97 UW GPA. 13 APs. AP Scholar with Distinction. Took university coursework post-junior year.

Experience

Geographic Information System Intern, June-August 2024

GIS and Coding Internship for Sound Transit in Seattle, WA
- Built an ArcGIS tool using Python to convert and process CAD files to GIS feature layers
- Converted 130 Link Light Rail station floor plans from CAD into an ArcGIS geodatabase for future agency use in indoor mapping

Middlebury Student Researcher, February 2023-Present

Image processing using Meta's Segment Anything Model / September 2024-Present
- Wrote Python Code to use the Segment Anything model to identify tree cover and land-use change in Tanzania using high-resolution satellite data

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

Data Visualization with Professor Jessica L'Roe, Geography Department / February-May 2023
- Created a Shiny web-app in R 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

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 from professional, school, and personal work in GIS, coding, cartography, and data science.

Skills Summary

Proficient in Java, Python, JavaScript, C++, and Netlogo. Basic working proficiency in French and Spanish. High level proficiency in QGIS, ArcGIS, Adobe Illustrator, Google Earth Engine, SQL, and R. Working knowledge of AutoCAD and Revit. Captain/two-time National Finalist for Frisbee Team.