

# Izak Boardman

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**University of Oregon** *Expected Graduation: June 2025*  
**Data Science** *Emphasis in Geographic Information Systems*

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## Professional Experience

### Undergraduate Research Assistant — Cartography

Eugene, OR

*University of Oregon InfoGraphics Lab*

January 2025 – Present

- Contribute to research and development of cartographic projects and GIS workflows.
- Analyze and visualize spatial data using advanced GIS tools and methodologies.
- Collaborate with a multidisciplinary team to produce high-quality maps and other geospatial projects.

### Geospatial Analyst Intern

Denver, CO

*Denver Water*

June 2024 – September 2024

- Assisted my team with administrative tasks relating to geospatial data.
- Cleaned, processed, and visualized geospatial data for dashboards and web maps.
- Automated data processes for collecting and organizing remotely sensed values.

### Loss Consultant

Denver, CO

*GSD Construction*

June 2023 – December 2023

- Consulted homeowners on insurance claims from the point of sale.
- Scheduled meetings across the Denver metro area and managed client communication.
- Enhanced interpersonal skills working with a diverse client base in sales and consultation.

## Other Professional Experience

**Construction Framing and General Labor — (The Circuit Climbing Gym & Colorado Choice Builders)**

Boulder, CO & Eugene, OR

- Developed time management and teamwork skills in a high-pressure environment.
- Cultivated attention to detail and craftsmanship through precise measurements and quality control while learning from industry professionals.

## **Restaurant and Customer Service Roles**

Multiple Locations

- Over 2 years of experience in fine dining and customer service.
- Independently solving problems and completing tasks in various front and back of house restaurant positions.
- Developed strong customer service and teamwork skills in a high stress and fast paced environment to ensure customers a smooth and high quality dining experience.

## **Relevant Coursework and Skills**

### **Mathematics and Statistics:**

Strong foundation in Calculus, Linear Algebra, and Statistics

- Proficiency with statistics and machine learning concepts relating to linear algebra - ultimately driving data analysis.
- Ability to read and understand high level research or documentation containing complex mathematical concepts and notation.
- Advanced modeling using neural networks and deep learning technics for data-driven analysis.

### **Computer Science:**

- Very comfortable and proficient with Python programming language and applicable packages.
- Knowledge and understanding of low-level programming concepts using C and Unix systems.
- Proficient in data optimization, storage techniques, and management, with a focus on efficient organization, retrieval, and processing of large datasets.
- Proficiency with ai tools and overall concepts of large language models such as Chat GPT.

### **GIS and Spatial Data Science:**

- Proficiency with ESRI tools (ArcGIS pro & enterprise) and other industry standard GIS systems/tools.
- Applied usage of Python for a multitude of class projects as well as geospatial analysis of Denver Water collection area, remotely sensed data from SNOTEL, and NASA Earth Observation.
- Eye for design and proficiency with ArcGIS and Adobe Illustrator for cartographic applications.

## **Interests and Service**

- Enjoy outdoor activities and committed to pursuing an active and healthy lifestyle.
- Engaged in personal projects relating to deep learning applications for businesses.
- Participate in philanthropy events and fundraisers (Movember, JoyRx, CCA).