

## Theo Ross

(919) 946-4804 · theoross253@gmail.com

[Online Portfolio](https://theor82.wixsite.com/theo-ross): <https://theor82.wixsite.com/theo-ross>

### EXPERIENCE

*Geospatial Specialist - The Walt Disney Company, Global Security Control Center (Aug. 2023 - Present)*

- Developing dynamic maps and dashboards to visualize company assets and support security operations
- Collaborating with global partners to align on strategic objectives
- Automating data management workflows to streamline processes and enhance efficiency

*GIS Analyst - TreePeople (Apr. 2023 - Aug. 2023)*

- Created Urban Forest Management Plans for three cities in Los Angeles County
- Collaborated with city officials to develop and employ each management plan
- Provided expertise in mapmaking, spatial analysis, and data visualization to support team initiatives

*GIS and Remote Sensing Analyst - NASA DEVELOP, Jet Propulsion Laboratory (Jan. 2023 - Apr. 2023)*

- Investigated the effects of tree canopy on heat mitigation in Los Angeles using remote sensing analysis
- Collaborated with team members to achieve common goals and meet project deadlines
- Improved leadership skills by assuming responsibilities and guiding the team to a successful outcome

*Remote Sensing Researcher - University of Oregon Remote Sensing Research Lab (Oct. 2021 - Dec. 2022)*

- Analyzed Landsat 8 satellite imagery of the Greenland Ice Sheet's interaction with proglacial lakes
- Utilized Python to develop a custom algorithm capable of identifying ice-water boundaries
- Co-authored scientific research paper on process and results, currently under review for publication

### SKILLS

#### Technical

- Programming Languages and Libraries
  - Python (GeoPandas, NumPy, Rasterio, Matplotlib)
  - JavaScript
  - ArcGIS Arcade
- Geospatial Tools
  - ArcGIS Pro
  - ArcGIS Online
  - QGIS
  - Google Earth Engine
- Security Alerting and Communication Platforms
  - Everbridge Suite
  - Dataminr
  - Anvil
- Design and Visualization
  - Adobe Illustrator
  - Adobe Photoshop
- Productivity and Automation Tools
  - Microsoft Office (Including advanced knowledge of Excel)
  - Microsoft Power Automate
  - Google Drive

#### Core

- Problem solving and attention to detail
- Teamwork and communication
- Time management and organization

#### Language

- Advanced C1 level Spanish

## EDUCATION

*University of Oregon* - (Graduated December 2022)

- Bachelor of Science in Geography (GIS Concentration) & Spatial Data Science
  - Minor in Spanish
- Graduated *summa cum laude* with 4.21 GPA

## AWARDS & ACADEMIC ACHIEVEMENTS

- *JPL Spring 2023 DEVELOPer of the Term Award* - Selected as the top-performing JPL DEVELOP team member
- *Irwin Holzman Award* - One of two selected undergraduates in the University of Oregon geography department for outstanding academic achievement
- *Summit Scholarship* - Undergraduate scholarship awarded for high school achievement
- *Dean's List* - Awarded every term during undergraduate studies
- *International Baccalaureate (IB) Diploma* - Awarded for completion of the IB diploma program