

Theo Ross

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

PROFESSIONAL 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 integrate geospatial insights into strategic planning
- 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
- Provided expertise in mapmaking, spatial analysis, and data visualization to support team initiatives
- Collaborated with city officials to develop and implement each management plan

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
- Leveraged satellite imagery analysis tools to process and interpret urban heat patterns
- Strengthened leadership skills by coordinating project timelines and facilitating team communication

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

- Analyzed Landsat satellite imagery of the Greenland Ice Sheet's interaction with proglacial lakes
- Developed a custom Python algorithm to identify ice-water boundaries
- Co-authored a research paper published in the [Journal of Glaciology](#) by Cambridge University Press

EDUCATION

University of Oregon

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

SKILLS

Technical

- Programming Languages and Libraries
 - Python (GeoPandas, NumPy, Rasterio, Matplotlib, scikit-learn)
 - JavaScript
 - ArcGIS Arcade
- Geospatial Tools
 - ArcGIS Pro
 - ArcGIS Online (Including Dashboards & Experience Builder)
 - QGIS
 - Google Earth Engine
- Design and Visualization
 - Adobe Illustrator & Photoshop
 - Canva
- Productivity and Automation Tools
 - Microsoft Office (Including advanced knowledge of Excel & SharePoint)
 - Microsoft Power Automate
 - Google Workspace

Core

- Problem solving and attention to detail
- Teamwork and communication

- Time management and organization

Language

- Advanced C1 level Spanish

AWARDS & ACADEMIC ACHIEVEMENTS

- *Global Security Advancements in Technology Award Finalist — The Walt Disney Company*
 - Recognized for innovation and technology advancements in Global Security
- *JPL Spring 2023 DEVELOPer of the Term Award — NASA DEVELOP*
 - Selected as top-performing team member at NASA's JPL DEVELOP program
- *Irwin Holzman Award — University of Oregon*
 - One of two undergraduates honored for outstanding academic achievement in the Geography Department
- *Summit Scholarship — University of Oregon*
 - Awarded for exceptional high school academic performance
- *Dean's List — University of Oregon*
 - Consistently recognized every term during undergraduate studies
- *International Baccalaureate (IB) Diploma*
 - Awarded for successful completion of the IB diploma program