

Amanda L. Riggs

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www.linkedin.com/in/amanda-riggs-a60a7b9b | <https://riggsa21.github.io/amandariggs-gis/index.html>

Professional Experience

Freelance GIS & Remote Sensing Analyst

Self-Employed / Remote / Present

- Provide spatial analysis, cartography, and environmental data visualization services using QGIS, Google Earth Engine, and Python.
- Develop custom hydrological and land-use mapping workflows for local planning and research applications.
- Manage client communication, project scoping, and deliverables through a professional web portfolio and GitHub repository.

Graduate Teaching Assistant – Geographic Information System (GIS) & Atmospheric Science

East Carolina University / E. 5th Street, Greenville, NC 27858 / August 2024 - May 2025

- Assisted students with GIS software and spatial data analysis during labs and office hours.

Volunteer

North Carolina Estuarium / 223 E. Water St, Washington, NC 27889 / July 2023 – October 2025

- Visitor greeting, demographic collection, and educational guide.

Store Manager

Chapel Hill Subway Group Inc. / 727 Eastowne Drive - Suite 300D, Chapel Hill, NC 27514 /
December 2012 - August 2021

- Managed daily operations, staff, and inventory for a high-volume store.

Education

Master of Science in Geography

East Carolina University, Greenville, NC / August 2023 – May 2025 / GPA: 4.0

Thesis: Analyzed nutrient delivery and flood risks from urban growth in Greenville, NC using GIS & InVEST.

Bachelor of Science in Multidisciplinary Studies

East Carolina University, Greenville, NC / May 2021 - July 2023 GPA: 3.595

Concentration: Environmental Studies

Institutional Honors: Cum Laude

Certifications

Certification in Geographic Information Science Technologies

East Carolina University, Greenville, NC / August 2023 – Present (*Does not expire*)

Esri Training Certifications

Esri Training | esri.com/training / August 2023 – Present (*Does not expire*)

Creating Python Scripts for Raster Analysis, Python Scripting for Geoprocessing, Performing Supervised Object-Based Image Classification (*January 2024 – March 2024*)

Relevant Skills

- Remote Sensing: Earth Explorer, NOAA Data Access, Google Earth Engine
- Environmental Modeling: InVEST, PLET, HAZUS-MH, Soil Survey
- Data & Statistical Analysis: ArcGIS Pro, ArcMap, Tableau, Excel

Awards & Honors

- ***Undergraduate Research & Creative Activity (URCA) Award*** – ECU Biology Dept., Spring 2023 (*Mentor: Dr. April Blakeslee*)
- ***Gamma Theta Upsilon International Geographical Honor Society*** – Beta Iota Chapter, April 2024

References

Beth Bee, PhD (Academic Advisor)

- beeb@ecu.edu

Steven Richter, PhD (Academic Advisor)

- richters@ecu.edu

Scott Wade (Teaching Instructor & GIS lab supervisor)

- wades@ecu.edu

Kristen Simms (Guest Relations & Volunteer Coordinator)

- ksimms@ncpfs.org
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