

Mitch Torkelson

Wilmington, NC

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📄 [mitch-torkelson](#)

🔄 [dinodiver](#) · [Portfolio](#)

SKILLS

GIS Software: ESRI ArcGIS Desktop, ArcGIS Pro, ArcGIS Online, ArcGIS Enterprise, and Portal; Google Earth Engine, QGIS.

Programming: Python scripting, R, ArcGIS Model Builder

Data Management: NetCDF, SQL databases, and version control systems (Git).

EDUCATION

University of North Carolina-Wilmington

M.S. in Marine Science - concentration in Remote Sensing & Environmental Monitoring

Wilmington, NC

Expected Aug. 2024

Creighton University

B.S. in Biology, Minor in Environmental Science

Omaha, NE

May 2019

Universidad San Francisco de Quito-Galápagos

Study Abroad – concentration in Marine Biology

San Cristóbal Island, Ecuador

Aug. 2018 – Dec. 2018

EXPERIENCE

University of North Carolina-Wilmington [↗](#)

Graduate Research Assistant

Aug. 2022 – Present

Wilmington, NC

- Conducted a comparative study on the accuracy of HawkEye ocean color imagery against in-situ measurements.
- Developed and maintained analytical models for environmental data analysis, significantly improving the efficiency and accuracy of data interpretation. [↗](#)
- Worked extensively with SQL and Python to manage and analyze large datasets, ensuring the reliability and quality of research outputs.

Geo Owl [↗](#)

Geospatial Analyst

Mar. 2023 – Mar. 2024

Part time – Remote

- Utilized ESRI ArcGIS Pro for digitization of land features, spatial analysis, and map generation essential for coastal and terrestrial monitoring.
- Managed central GIS data repositories, ensuring organization, maintenance, and quality control; proficient in ArcGIS Pro, ArcGIS Online, and other ESRI applications.

Coral Restoration Foundation [↗](#)

Conservation Intern

Jan. 2021 – Aug. 2021

Key Largo, FL

- Led GIS mapping projects to monitor coral habitats, applying GIS for effective conservation management and stakeholder engagement.

University of Georgia-Marine Institute [↗](#)

Research Assistant

May 2019 – Aug. 2019

Sapelo Island, GA

- Utilized drone and remote sensing technology to map and analyze coastal ecosystems, informing regional conservation strategies.

CERTIFICATIONS

GISP, GIS Certification Institute [↗](#)

Expected Aug. 2024

GEOINT, US Geospatial Intelligence Foundation (USGIF) [↗](#)

Expected Aug. 2024