

CONTACT

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EDUCATION

UNIVERSITY OF MARYLAND 2023 - 2025

- Master's of Science
- Geospatial Information Sciences

UNIVERSITY OF MARYLAND 2018 - 2023

- Bachelor of Science
- Environmental Science and Policy
- Minor: Geographic Information Sciences

SKILLS

Esri Product Use

- ArcGIS Pro. ArcGIS Field Maps. ArcGIS Dashboard. ArcGIS Survey123. ArcGIS StoryMap

Open-source GIS

- Google Maps. Leaflet. Open Street Map. QGIS.

Computer Script Languages

- Jupyter Notebook. JavaScript. HTML. Python. SQL.

Computer Applications

- ArcGIS Machine Learning Tools. Microsoft Excel, PowerPoint, and Word.

Environmental

- Identification of Eastern U.S. Birds. GPS and Garmin Equipment. Triangulation.

CERTIFICATIONS

- Maryland Biological Stream Survey Benthic Macroinvertebrate Field Sampling Certification
- Adult First Aid/CPR/AED

GWENDOLYN ZECKOWSKI

M.S., GEOSPATIAL INFORMATION SCIENCES

WORK EXPERIENCE

Clean Streams LLC - Prince Georges County, MD

GIS Analyst and Environmental Sciences

AUGUST 2024 - PRESENT

- Maryland Department of Natural Resources (MDDNR), with the Maryland Biological Stream Survey (MBSS).
- GIS work was conducted to obtain landowners' permission throughout the entire state of Maryland. The manipulation of various GIS tools was used to gather information about the initial landowners. Community outreach was conducted for landowners and recorded in the GIS.
- Maryland Biological Stream Study and Geomorphology were tracked — field work conducted in streams of Prince George's County.
- Geomorphic Bulk Density soil samples were processed at TetraTech.

Architect of the Capital - Washington, D.C.

GIS Analyst Internship

JUNE 2024 - SEPTEMBER 2024

- Esri ArcGIS, through Davey's TreeKeeper System, was used to track the locations of shrubs. Polygons of shrubs were drawn and plotted in the 500 acres of AOC.

Capital Power Plant Internship

JUNE 2023 - AUGUST 2023

- Presented and gave a tour of the AOC Capital Power Plant; covered various history, environmental, safety, and eGrid information.
- Assisted with chemical deliveries made to the plant.

U.S. Fish and Wildlife Services - Petit Manan and Ship Island, Maine

National Wildlife Refuge Waterbird Intern

MAY 2021 - AUGUST 2021

- Productivity plots were created and checked for Common and Arctic terns. Handled and banded Arctic and Common tern, Atlantic Puffin, Common Eider, and Black Guillemot. An Island Census was conducted of the entire island to track nesting habitats.
- Terns were watched for 4-hour time frames to track the chick feeding patterns.
- Blood samples were collected from shorebirds and processed in centrifuge equipment.

USGS Patuxent Research Refuge - Laurel, MD

Waterbird Research Intern

MAY 2019 - AUGUST 2019

- Identified and conducted census counts of colonial breeding waterbirds.
- Nest searches and monitoring for Common and Least Terns, Egrets, and Ibis. Handling and banding of Common and Least Terns (USGS BBL band and plastic field readable).
- Re-sighted Common and Least Terns. Data collection and management theories were carried out. Created nest location maps (use of GPS units and ArcGIS).