Emily Ormond
321 Glendale Dr Chapel Hill NC
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+1 (704) 980-7936

Dear US Fish and Wildlife Service Hiring Manager,

I am writing to apply for the GIS and Data Management Support Member position in Ashland, WI. As a Geography and Biology graduate from the University of North Carolina at Chapel Hill, I'm enthusiastic to apply my technical skills and problem-solving mindset to the USFW and American Conservation Experience's mission of environmental stewardship.

What drew me to both the USFW and ACE was your shared interest in providing conservation opportunities to early career professionals and commitment to restoring public lands. I was also enthused by the opportunity to contribute to invasive species tracking and habitat protection through geospatial data as these areas align closely with both my academic training in biology and geography. This opportunity would allow me to combine both my passion for conservation and apply the skills I developed at UNC Chapel Hill to real-world projects that make a lasting ecological impact.

Throughout my degree, I have completed coursework in ArcGIS Pro, ArcGIS Online, and QGIS where I learned not only technical GIS skills but also problem-solving skills. In addition to my GIS skills, I have experience using R Studio for data analysis, including spatial data processing and visualization. I've also completed a course in web mapping where I learned to make interactive web maps through Javascript, HTML, and CSS. Through my research projects, I learned how to collect geographic data in the field using tools like differential GPS and Survey123, and how to manage that data for analysis and public presentations. These projects also taught me how to collaborate effectively with others by balancing different perspectives and staying flexible when strategies needed to shift.

Thank you for your time and consideration. Please feel free to contact me at (704) 980-7936 or emmaor44@gmail.com at your earliest convenience.

Sincerely,
Emily Ormond

Emily Ormond

Phone: +1 (704) 980-7936

Email: emmaor44@gmail.com

Education
University of North Carolina at Chapel Hill - May 2025
- Bachelor of Science in Biology
- Bachelor of Arts in Geography
- GPA: 3.5
- Carolina Scientific Design Editor and Illustrator
- USFQ Ecology Student, May - June 2023

Experience
Research Assistant *(September 2023 - May 2025)*
Department of Geography, UNC Chapel Hill | Advisor: Javier Arce-Nazario
- Ecuadorian Map Vectorization Project
    - Vectorized a collection of hand drawn maps completed by a community in the Ecuadorian Amazon
    - Balanced the preservation of cultural authenticity in the original map while incorporating modern design elements
    - Produced physical copies of the vectorized maps to the community to keep long term
- Princeville Cemetery Mapping
    - Developed an interactive web map of the historic Wilson Cemetery in Princeville, NC the first chartered Black Town in America as a resource for residents to easily view information about their late relatives
    - Collected cemetery data using a differential GPS and Survey123
    - Flew drones to collect aerial data
    - Collected Lidar data to create 3D representations of the headstones for the web map
- Tarboro Community Garden
    - Designed a map of the garden using Adobe Illustrator
    - Cataloged plant species and researched their cultivation and ecological details
    - Created botanical illustrations using Procreate to visually display native and edible plants in the garden

Research Assistant *(May - June 2023)*
Universidad San Francisco de Quito | Professor: Senay Yitbarek
- Conducted field work to compare microbes at varying elevations and locations
- Sampled soil from different elevations and recorded coordinates
- Performed DNA extractions on said soil for microbial analysis
- Measured the optical density of the DNA to test its quality and ensure accuracy

Skills
- ArcGIS, ArcGIS Online, QGIS, Microsoft Office, R, JavaScript, HTML, CSS, Adobe Illustrator, GPS Data Collection, Open Water Scuba Certification

Awards and Honors
- John W. Florin Award – Geography Award For Best Research Paper on the United States (2025)
- Dean's List – Fall 2021, Spring 2024, Fall 2024, Spring 2025