Emily Ormond
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emmaor44@gmail.com

August 23th, 2025

American Conservation Experience
63 Fletcher Commercial Drive, Fletcher, North Carolina 28732

Dear Hiring Manager,

I am writing to apply for the Management of Natural Resources Science Projects Member position at the Everglades National Park. As a recent Geography and Biology graduate from the University of North Carolina at Chapel Hill, I'm enthusiastic to apply my technical skills and enthusiasm for conservation to the unique and biodiverse ecosystem of the Everglades . What drew me to both ACE and NPS was your shared interest in providing opportunities to early career professionals and commitment to environmental stewardship. I was also enthused by the opportunity to complete wildlife surveys and assist in GIS projects as these areas closely align with both my academic training in biology and geography.

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. I also have experience using R for data analysis and visualization and am eager to expand these skills using Power BI. I've completed a course in web mapping where I learned to create interactive web maps with 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.

I am experienced in conducting fieldwork in a variety of climates, as my research projects have led to collecting geographic data in the hot, humid weather of North Carolina and the rugged terrain of the Galapagos highlands. I am also experienced in working with the public as I did with both the garden and cemetery projects I completed in Princeville. For the community garden I designed an educational map, cataloged species, and illustrated native and edible plants to engage community members with the ecological value of their garden.

I am enthusiastic about the opportunity to contribute to the natural resource science projects program while continuing to expand my skills in GIS, data visualization, and science communication. Thank you for your time and consideration. Please feel free to contact me at +1 (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