

Emily Ormond

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Education

University of North Carolina at Chapel Hill - May 2025

- Bachelor of Science in Biology with a Second Major 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 – Best Research Paper on the United States (2025)
- Dean's List – Fall 2021, Spring 2024, Fall 2024, Spring 2025