Emily Ormond

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Education

University of North Carolina at Chapel Hill
- Bachelor of Science in Biology & Bachelor of Arts in Geography
- Expected Graduation: May 2025
- GPA: 3.49
- Carolina Scientific Design Editor and Illustrator
- USFQ Ecology Student, May - June 2023

Experience

Intern *(September 2023 - Current)*
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 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
- Proficient in ArcGIS, QGIS, Microsoft Office, and R
- Intermediate in JavaScript, HTML, CSS, and Adobe Illustrator
- Currently obtaining open water scuba certification