

# Erin Wallace

wallacee@live.unc.edu  
984-215-1493

1101 Exchange Place, Apt 1222  
Durham, NC 27713

---

## Professional Experience

### **Bioinformatics Intern** | Chapel Hill, NC

University of North Carolina, High-Throughput Sequencing Facility (May 2020-Present)

- Develop and apply tools for the assessment of NGS data quality and bioinformatics pipelines to assess raw sequence quality
- Develop R scripts to further analyze and visualize diverticulitis data
- Perform analysis of experimental data sets and present results to the lab team

### **Project Coordinator** | Chapel Hill, NC

University of North Carolina, High-Throughput Sequencing Facility (August 2016-Present)

- Served as point person in the development of an international collaboration with the Galapagos Science Center
- Monitored database performance and coordinated the migration of project information from an existing database to a new web-based system
- Provided technical advice on optimal methods to process DNA or RNA samples
- Supervised the workflow and made timeline adjustments for over 300 projects
- Developed solutions to sample quality and sequencing issues and presented these options to clients

### **Research Technician** | Chapel Hill, NC

University of North Carolina, Genome Analysis Facility (November 2015 - August 2016)

- Efficiently processed up to 1000 DNA samples for multiple projects per day
- Evaluated and distributed results from Sanger Sequence runs
- Acted as a liaison between clients, sales, and staff to facilitate information flow and drive operational efficiency

### **AmeriCorps Vista Education Assistant** | Fairhope, AL

Weeks Bay National Estuarine Research Reserve (February 2015 – October 2015)

- Partnered with the Stewardship Coordinator to monitor and report changes in aquatic invasive populations
- Collected and reported data on E. coli levels and excessive nutrients in local waterways
- Coordinated the local Alabama Coastal Cleanup to reduce marine debris levels

## Education

**Master's in Biomedical and Health Informatics** | University of North Carolina | Dec 2020

**Bachelor of Arts, Public Policy** | University of North Carolina | May 2014