Angela Nam

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# EDUCATION

**Northeastern University Boston, MA**

*Candidate for Master of Science in Environmental Science and Policy* May 2023

**University of North Carolina at Chapel Hill Chapel Hill, NC**

*Bachelor of Science in Environmental Science, Minor in Marine Science* May 2020

# EXPERIENCE

**Miller Lab of Biomechanics, Physiology and Mathematics Chapel Hill, NC**

*Research Assistant* August 2019 – May 2020

* Conducted experiments on fluid transport using 3D printed models of sea fans
* Utilized image processing software to measure the models for quantitative analysis
* Maintained the habitat of ~25 upside down jellyfish in the laboratory

# The Water Institute at Gillings School of Global Public Health Chapel Hill, NC

*Event Coordinator and Operations Assistant* January 2017 – April 2018

* Supported the launching for 3 prominent conferences: Water Microbiology, Water and Health, and Nexus
* Edited abstracts of ~350 participants and reached out to ~100 sponsors
* Guided and assisted attendees throughout the conference

# Teske Lab of Microbial Ecology and Systematics Chapel Hill, NC

*Research Assistant* February 2018 – May 2019

* Extracted DNA from >30 samples from hydrothermal vents in Guaymas Basin
* Performed PCR, Gel Electrophoresis, and Nano Drops on <30 samples
* Identified and classified >100 microorganisms found from the overall project
* Categorized datasets with >5000 samples to construct graphs and figures for publications

# PROJECTS

**The Effects of Thinning Loblolly Pine Nurse Plants in Eastern Kentucky Chapel Hill, NC**

**on the Growth and Survival of Red and White Oak** January 2019 – May 2020

* Designed a long-term experiment investigating the effects of thinning nurse plants to facilitate the growth of hardwoods in Robinson Forest, KY (~14,800 acres)
* Measured 240 trees for data collection with my team
* Generated 10 graphs using R Studio
* Presented the project to a group of ~50 people in academia via Zoom

# New River Estuary Oyster Highway Chapel Hill, NC

# Restoration Project August 2019 – December 2019

* Collected data on ~1300 individual oysters on the New River
* Created and analyzed 12 graphs and figures using R Studio and Microsoft Excel
* Presented the project to affiliated stakeholders (~15 people)

# An Assessment of Factors that Contribute to the Chapel Hill, NC

# Abundance of 5 Sea Turtle Species February 2018 – May 2019

* Organized and filtered datasets from 128 countries with over 21,000 points of data
* Used R Studio for statistical analysis and creation of graphs and figures using regression, variance partitioning, and classification

# SKILLS AND INTERESTS

**Technical Skills:** Arc GIS, 3D Printing, R Studio and Microsoft Office Suite

**Interests:** Musicals, Baking, Drawing, Vinyl Records