

## BENJAMIN KUFFEL

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### Education

#### **University of New Haven**

Bachelor of Science, Marine Biology

West Haven, CT

May 2019

### Work Experience

#### **Under the Sea: Glen Echo Park Aquarium**

Educator and Outreach Specialist

Bethesda, MD

June 2019 - Present

- Present live animal demonstrations to youth as part of aquarium outreach program, often addressing groups of up to 100 people; have begun developing new programs, as well
- Maintain and clean aquarium tank systems
- Began working independently very quickly, educating aquarium visitors about marine and aquatic life native to the Chesapeake Bay and the surrounding watershed
- Feed and monitor health of tank animals
- Worked as a counselor for the aquarium's summer camp, teaching youth ages 4 to 12 about marine and aquatic life as well as the marine environment.

#### **Institute of Marine and Environmental Technology**

Aquaculture Research Center - Summer Intern

Baltimore, MD

May - August 2018

- Assisted Mr. Steven Rogers on his PhD research on using clams as a natural filtration source for effluent, performing size and weight measurements and filtrations and recording data
- Cared for the fish and sharks through feedings and general tank upkeep.
- Harvested designated amounts of fish when necessary.

#### **Camp Weequahic**

Camp Counselor

Lakewood, PA

Summer 2017

- As a bunk counselor supervising children 24 hours a day, demonstrated creativity, patience, perseverance, and adaptability to keep the kids safe, happy, and engaged
- Taught children LEGO Mindstorm EV3S programming.

#### **Klotz Institute of Karate**

Instructor

Bowie, MD

June 2016-August 2016

- Taught martial arts skills to children of all ages; worked with customers at front desk

#### **United States Department of Agriculture**

Intern

Beltsville, MD

September 2014 – May 2015

- Worked with Dr. Eton Codling in studying the effect of using poultry litter ash as a fertilizer to absorb excess amounts of nitrates and phosphorous in the soil around the Chesapeake Bay; assisted in experiment set-up, mixing soil and ash, and collecting and recording preliminary data

### Skills

- Design, setup, and construction of multi-tank Recirculating Aquaculture Systems
- Algal culturing
- Multiple marine organism collection techniques, such as seining and otter trawling
- Vertebrate and Invertebrate dissection
- Genetic mapping of algal samples
- PCR and Gel Electrophoresis
- Water quality testing methods for nitrates, phosphates, dissolved oxygen
- Performing statistical analysis
- Microsoft Word, Excel, and PowerPoint
- ArcGIS