

Natalie Beeken

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Future Goals and Interests

- Marine fish genetics research-conservation genetics, anthropogenic evolution, and marine fish biology
- Master's degree involving molecular fish genetics for conservation and aquaculture use

Education

<i>Spring 2012</i>	Bishop Heelan Catholic High School	Sioux City, IA. GPA: 3.54
<i>Fall 2015</i>	Florida Atlantic University BS Biological Sciences with emphasis in Marine Biology	Boca Raton, FL. GPA: 3.719

Work Experience

<i>Jan.29th-June 2nd 2017</i>	Southern Southeast Regional Aquaculture Association Seasonal Hatchery Laborer/Fish Hatchery Technician III-Neets Bay hatchery, remote Alaska <ul style="list-style-type: none">▪ Assisted in raising Chum, Coho, and Chinook salmon in saltwater pens and raceways▪ Monitored fish health/behavior, participated in sampling and dissection, transport, egg-pick, feeding and cleaning duties, maintenance of hatchery supplies and systems, net washer usage▪ Additional experience with skiff operation, some shop tools and commercial knot use, operating ATV and 4WD vehicle
<i>May 3rd-Sept.25th 2016</i>	Prince William Sound Aquaculture Corporation Fisheries Technician III-Cannery Creek hatchery, remote Alaska <ul style="list-style-type: none">▪ Fish Rearing- Fed pink salmon fry on saltwater net pen complex and observed fish behavior▪ Facility and equipment repair/maintenance-set up fish trap, barge nets▪ Incubation-supply storage<ul style="list-style-type: none">○ Cleaned, prepared, repaired and maintained incubators○ Cleaned weirs and troughs▪ Egg-Take<ul style="list-style-type: none">○ Collected, spawned/bucked and sorted pink salmon○ Cleaned, fertilized, and transported salmon eggs○ Cleaned and monitored creeks- maintained water quality○ Fish carcass and garbage disposal▪ Harvest<ul style="list-style-type: none">○ Enumerated, measured, weighed, and graded pink salmon on tender vessel<ul style="list-style-type: none">▪ Assisted in recording and calculating fish harvest management data

Undergraduate Volunteer and Research Experience

Summer 2015 Florida Atlantic University Boca Raton, FL.

Directed Independent Study-3 cr.

Sea Turtle Research at FAU Marine Science Lab

- Data entry-updated sea turtle measurements
- Turtle husbandry; cleaned, prepared food/fed, and observed Green and Loggerhead sea turtles
- Closed nesting sites with cages
- Disinfected tanks, lab maintenance-preparation and cleaning
- Weighed & measured turtles
- Recorded/monitored health, diet, & behavior
- Assisted locating and noting sample measurements of Green, Loggerhead, and Leatherback sea turtles during nesting
- I.D. turtles
- Observed small-scale laparoscopic surgery of sea turtles
- Assisted with collection and release of hatchlings
- Water quality-pH & salinity measurements
- General public education on sea turtles

Spring 2015 Harbor Branch Oceanographic Institution (FAU) Fort Pierce, FL.

Center for Marine Biomedical and Biotechnology Research

- Continued culture growth of marine bacteria and fungi
 - Media preparation and inoculation of microbes on slants for isolation
 - Observed and recorded microbial growth results

Aquatic Animal Health Lab

- Assisted with clam spawning and shrimp ion experiment

Oceanographic Experience Research Cruise

- RV Bellows Marine Research Vessel -Tampa Bay & Eastern Gulf of Mexico
 - At sea for two nights-hands on experience deploying and retrieving Plankton Net, Otter Trawl, Capetown Dredge (Benthic), Secchi Disk, CTD, Sediment Grab, (Day & Night samples)
 - Laboratory work including quantifying, sorting, weighing, preserving and identifying collected marine samples
 - Recorded physical site measurements (meteorological & oceanographic conditions) via wheelhouse gauges
 - Post-lab work included drying and weighing sediment samples
 - Designed a scientific poster on mollusk abundance and biodiversity
 - Presented research project at HBOI
 - Maintained lab notebook recording all measurements/data, observations, and overall experience

Fall 2015 Animal Care Volunteer Fort Lauderdale, FL.

South Florida Wildlife Center-Partnership with the Humane Society

- Cleaned homes and prepared diets for various wildlife
- Monitored animal health and behavior

Fall 2014 Florida Atlantic University Boca Raton, FL.
Elasmobranch Research Lab

- Fed and monitored behavior/health of Atlantic sting rays
 - Recorded data
- Cleaned tanks and recorded water quality measurements; YSI
- Ray collection and transport

Spring 2013 Gumbo Limbo Environmental Complex Boca Raton, FL.
Aquarist Assistant II

- Tank reconstruction projects, phytoplankton growth project
- Outdoor sea tank target feedings of various marine life
- Monitored health of marine life
- Collection of marine organisms through intercostal seining/snorkeling
- General public education

Valuable Skills

- ✓ Lab Experience in using the following equipment: Compound and dissecting microscope, refractometer, Microcentrifuge, Nanodrop, 16S LH-PCR & Analysis, Pipetting and Micro-pipetting, Gram-staining, Gel Electrophoresis & Analysis, DNA extraction & purification techniques, Autoclave, microbial plating on different media, microbial isolation techniques-plate streaking & inoculating microbes on slants, Antimicrobial assay plates, Enzyme tests, BLAST program & analysis, water quality measurements-YSI, dichotomous keys/standard reference guides, dissection of marine organisms
- ✓ Field experience: Collecting and identifying macroalgae, phytoplankton, zooplankton, invertebrates, and other fauna found within the Indian River Lagoon with phytoplankton and seine net
- ✓ Writing research reports, completing presentations, and recording field work observations/samples in lab notebooks
- ✓ Experienced in Microsoft Word, PowerPoint, Excel, ArcMap and Google Earth

Professional Memberships, Certifications and Organizations

2013 PADI Open Water Diver Certification
Certified to 60ft.

2017 First Aid, CPR, and AED Certification

Awards and Affiliations

FAU Academic Honors-President's and Dean's list, Graduation-Magna Cum Laude

Additional Experience

