Skyler Roberts

Address: 34 Hartshorn Street, West Bridgewater, MA 02379

Mobile Number: 617-872-7984

Education

2012-2015 **West Bridgewater High School**

 GPA: 3.97 Graduated Class of 2015

 AP Biology, AP Environmental, AP Calculus and AP English courses

2015-2019 **Roger Williams University**

GPA: 3.97 Graduated Class of 2019

Bachelor of Science degree in Marine Biology and Bachelor of Science degree in Environmental Science. Minor in mathematics

Work Experience

Jun 2019- Present **VCA South Shore Emergency Animal Hospital**  *Veterinary Technician*

* Used proper restraining techniques when administering physical exams and medications to cats, dogs and exotics
* Performed routine blood draws and ultrasound guided cystocentesis, place IV catheters
* Responded to medical emergencies and assisted doctors in administering care for critical patients

Sept 2015- Jan 2017 **Roger Williams University Wet Lab**

*Aquaculturist and Research Student*

* Maintained proper water quality conditions across all species
* Designed and built tank systems that maximized fish health
* Achieved an understanding of fish mating behavior and performed egg collection techniques
* Contributed to significant research findings regarding first feeds of larval fish and the development of fire shrimp in aquaria

Jan 2017- May 2019 **Aquatic Diagnostics Laboratory**

 *Research Student*

* Gained proficient experience using laboratory techniques such as DNA extractions, in situ hybridization, pcr, qPCR and bacterial culturing
* Awarded funding for a three-year research senior thesis project to localize *Vibrio parahaemolyticus* uptake in tissues of the eastern oyster
* Enhanced collaboration skills by working with peers and faculty on research experiments and disease diagnostics

Jan 2017- May 2019 **Roger Williams University Science Tutoring Center**

 *Science Tutor*

* Tutor the following subjects: Biology, Physics, Genetics, Marine Biology, Environmental Chemistry
* Built strong communication skills and public speaking through interactions with students
* Developed problem solving skills and the ability to approach problems from new perspectives

Summer 2018 **Marine Biology Summer Camp Counselor**

*Teaching Assistant and Resident Assistant*

* Taught high school students lectures regarding relevant topics such as climate change and marine ecology, developed educational materials for marine biology and environmental science
* Supervised field trips and field work activities such as snorkeling, fishing and aquarium tours
* Gained leadership experience and collaborative work with fellow camp counselors

Internships

Jul 2015- Aug 2015 **New England Aquarium**

*Visitor Educator Teen Intern*

* Educated aquarium visitors about environmental issues and conservation methods through activities and public outreach
* Safely handled live animals at touch tanks and during presentation
* Confidently interacted with guests to ensure that their experience was memorable and enjoyable by answering questions and engaging them in informative conversation

May 2016-Feb 2017 **Capron Park Zoo**

*Keeper intern*

* Performed general husbandry procedures such as feeding, cleaning, and handling of animals under supervision of keepers
* Learned valuable safety procedures for working with wild animals of all natures such as tranquilization and behavioral reading
* Gained a broad understanding of enrichment and designed functional pieces for animal exhibits
* Actively interacted with guests and answered questions regarding animal care

Research

2017- 2019 **Project Title:** Determination of the Location of *Vibrio parahaemolyticus* in *Crassostrea virginica* using In Situ Hybridization and qPCR

 Poster presentation at: World Aquaculture Society Aquaculture 2019 –New Orleans.

 The Northeast Aquaculture Conference and Exposition 2019-Boston

 Summer Undergraduate Research Fellowship Conference EPSCoR 2017-

 University of Rhode Island

Certifications and Awards

CPR certified

Emergency oxygen administration certified

PADI open water, advanced, rescue and AAUS scientific scuba diving certified

Awarded the EPSCOR Summer Undergraduate Research Fellowship Grant

Alpha Chi Honors Society

Roger Williams University Honors Program

Roger Williams University Study Abroad Program- Semester in Bermuda, Short term in Belize

Roger Williams University Dean’s List for 8 consecutive semesters

Roger Williams Outstanding Senior Award in Marine Biology