Gabbie Baillargeon

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Education

**Michigan State University – Quantitative Fisheries Center 2020 - Present**

M.S. Fisheries and Wildlife

**Roger Williams University, Bristol RI 2016 - 2020**

Major: Marine Biology, B.S. and Applied Mathematics, B.S.

GPA: 3.8 Magna Cum Laude

Study Aboard: Neotropical Marine Biology in Panama, Winter 2019

Awards

Fall 2020 William E. Ricker Fellowship – MSU Quantitative Fisheries Center

Spring 2020 Thesis with Distinction “Development of a Sustainability Guide for Marine Aquarium Fish”

Summer 2019 Mark Gould Memorial Scholarship and Research Fellowship Award at Roger Williams University

Fall 2018 Marine Aquarium Conference of North America Undergraduate Scholarship Recipient

Fall 2018 1st Place in “Environmental Sciences, Conservation, and Green Technology” Category at National Collegiate Honors Council Conference Poster Session

Summer 2018 Ocean Global Change Research Experience for Undergraduates (REU) University of California, Santa Barbara

* Ocean Recoveries Lab - Dr. Adrian Stier

Spring 2017 Center for Education and Economic Development at Roger Williams University Grant in Support of Research

2016-2020 Dean’s List at Roger Williams University

Professional Experience

2020 – present **Research Assistant at Quantitative Fisheries Center**

* Researching the top-down and bottom-up effects on changing predator-prey balance, fishery harvest, and predator composition in Lake Huron using simulation modeling and stock assessments.

2018 – 2020 **Research Assistant in Rhyne Lab at Roger Williams University, in partnership with Mystic Aquarium and UMass-Boston**

* Methods for Cyanide Detection in Marine Aquarium Fish

2017 – 2020 **Science Tutor at Roger Williams University**

* Biology, Chemistry, Oceanography, Marine Biology, Genetics, Calculus, and Physics

2017 – 2020 **Lead researcher on self-directed research project under Dr. Rhyne**

* “Improving the Productivity-Susceptibility Analysis for Assessing Data-Limited Fisheries” Development of math model to improve marine aquarium fisheries data-limited risk assessment.

2016-2017 **Unpaid Research Assistant in Roger Williams University Wet Lab**

* Copepod and Algae Department

2015-2020 **Seasonal** **barn worker at Sea Star Stable in Brentwood, NH**

Presentations

04/29/2020 **Senior Thesis Presentation at Roger Williams University**

Bristol, RI

* “Improving the Productivity-Susceptibility Analysis to Assess Data Limited Fisheries”

11/09/2018 **Poster Session at National Collegiate Honors Conference – 1st Place**

Boston, Massachusetts

* “Which Fish Should You Buy? Development of a Species-Specific Sustainability Guide for the Marine Aquarium Trade”

09/08/2018 **Poster Session at Marine Aquarium Conference of North America (2018 & 2019)**

08/30/2019 Las Vegas, Nevada and Orlando, Florida

* “Which Fish Should You Buy? Development of a Species-Specific Sustainability Guide for the Marine Aquarium Trade”

08/17/2018 **Ocean Global Change REU Symposium Presentation**

University of California Santa Barbara

* “Effect of Predator Density on the Functional Response of Pacific Rock Crabs”

04/11/2018 **Roger Williams University Science Seminar Series Speaker**

Bristol, RI

* “Development of a Sustainability Guide for the Marine Aquarium Trade”

Skills

Animal Husbandry Microsoft Office

Code Experience: Python & R Microscopy

HPLC qPCR, DNA and RNA Extraction

Data Analysis Biological Survey Methods

Publications

Baillargeon GA, Tlusty MF, Dougherty ET, Rhyne AL (2020) Improving the productivity-susceptibility analysis to assess data-limited fisheries. Mar Ecol Prog Ser 644:143-156. [https://doi.org/10.3354/meps13362](https://doi.org/10.3354/meps13362%0a)