

Curriculum Vitae

**Rebecca Paige Riccardi**

Graduate Education

University of South Florida College of Marine Science *August 2022 – Present*

**M.S. Student in Marine Science** – Concentration in **Physical Oceanography**

Faculty Advisor: Dr. Mark E. Luther

GPA: 3.78

Educational Background

University of Tampa

*January 2019 – December 2021*

Earned a **B.A. in Biology** – Concentration in **Organismal and Evolutionary Biology**

Minor in **Marine Biology**

GPA: 3.48

Graduation: Fall 2021

---

Employment History

*August 2022 – Present*

Student Researcher • University of South Florida College of Marine Science • St. Petersburg, FL

- Exploring deep-water circulation relevant to plume dynamics from deep-sea mining in the Cook Islands Exclusive Economic Zone
- Investigating velocity profiles and turbulence in the benthic boundary layer at depths of approximately 5000 meters. The goal is to assist development of safe operational practices that protect the benthic environment.
- Proficient in MATLAB for data analysis

*August 2022 – Present*

Teaching Assistant – University of South Florida • St. Petersburg, FL

Graduate Courses: Physical Oceanography and Biological Oceanography

- Responsible for grading class exams and assignments
- Delivered a comprehensive lecture on Vorticity/Sverdrup Balance
- Organized and led review sessions; developed study guides
- Provided support to students during weekly office hours

Undergraduate Course: Introduction to Oceanography

- Assisting with a class of over 300 undergraduate students
- Led a subgroup 68 students per semester
- Duties consist of daily student interaction, in-depth explanation of material, grading assignments, and class organization

*January 2022 – September 2022*

Environmental Technician I – Water Division • Environmental Protection Commission (EPC)

• Tampa, FL

- Conducted laboratory work including sediment sample processing and sorting of macroinvertebrates
- Contributed to EPC's Biological Monitoring Data of the Tampa Bay Area

- Extensive microscope use (up to ten hours a day)
- Assisted in field collection of benthic community sediment samples and water monitoring samples (includes sampling for nitrates, nutrients, orthophosphates, phytoplankton, and metals)

*August 2019 – May 2021*

Student Researcher • The University of Tampa • Tampa, FL

- Analyzed mangrove growth in Cedar Key, FL using ArcGIS (Geographical Information Systems)
  - Determined short-term event influence on mangrove prevalence through field studies and use of satellite imagery
- 

#### Honors and Awards

- Paul Getting Endowed Fellowship in Marine Science – Fall 2023/Spring 2024
  - Dean’s List: University of Tampa – Spring 2020 and 2021
  - International Baccalaureate Diploma: Clarkstown High School South – June 2018
- 

#### Non-published Abstracts and Presentations

- Developed and presented an abstract, poster, and presentation for the University of Tampa Spring 2021 Student Research Symposium

#### Non-published Reports

- Authored a comprehensive undergraduate research paper, pending future publication
  - Submitted to the Acta Spartae undergraduate journal at The University of Tampa
- 

#### Service on committees & Outreach/Volunteer Events

*August 2022 – August 2023*

Marine Science Advisory Committee • First Year Representative • USF-CMS

- Organized TGIF events and contributed to outreach events
- Assisted planning the recruitment event for potential new CMS students (February 2023), including managing event logistics, coordinated catering, assisting student tours, and providing transportation

*October 2022*

Underwater Minerals Conference (UMC)

- Facilitated interactions with attendees and project organizers
- 

#### Skills

- MATLAB
- Geographical Information Systems (ArcGIS)
- PADI Open Water Scuba Certification
- Research and Scientific Writing
- Proficient microscopy skills