

Hannah Hall

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Education:

International Master of Science in Marine Biological Resources (IMBRSea), Ghent, Belgium

- Master's in Marine Ecology & Conservation '23
- Attended Universities: Ghent University (Ghent, Belgium); Marche Polytechnic University (UNIVPM) (Ancona, Italy); Sorbonne University (Roscoff & Banyuls-sur-Mer, France); The University of the Algarve (Faro, Portugal)

Denison University, Granville, Ohio

- Bachelor of Science '18
- Major in Biology, Minor in Chemistry

The School for Field Studies, Turks & Caicos Islands/Panama

- Fall 2017 Semester
- Marine Resource Studies and Tropical Island Biodiversity Studies
- Extensive field work and research

New Richmond High School, New Richmond, Ohio

- GPA: 4.20

Work/Teaching Experience:

2023-Present **University of California, Irvine**

- Junior Specialist Research Technician
- NSFGE0-NERC grant funded project: Linking species traits to marine ecosystem functioning: evaluating functional redundancy and vulnerability of associated ecosystem processes across environmental gradients

2019-2020 **Reef Renewal Curaçao**

- 8-month coral restoration internship in Curaçao
- Promoted from Coral Restoration Intern to Assistant Operations Coordinator
- Participated in the restoration process for *Acropora palmata* and *Acropora cervicornis* using coral restoration techniques such as outplanting, fragging and re-hanging corals
- Maintained coral nurseries through underwater tree cleaning, prevention of disease dispersal, and invasive predator removal

- Managed mapping project for outplanted corals using high definition images and Adobe Photoshop software
- Led interactive presentations, snorkel tours and dive tours for tourists and locals to educate them on coral restoration, emphasizing the importance of coral reefs
- Produced reef photomosaics and completed underwater visual fish surveys to quantify the impact of our restoration work
- Collaborated with my supervisor to establish and streamline foundations for the organization, while also engaging in joint brainstorming sessions to design effective community outreach initiatives
- Reformatted outdated data sheets and educational presentations to increase clarity and ease of use
- Record keeping of daily resource use by inputting data into associated spreadsheet files
- Logged +150 scientific and restoration dives involving data collection, site mapping, nursery maintenance, and transporting restoration supplies

2019

The School for Field Studies, Center for Marine Resource Studies

- 8-month waterfront assistant internship in the Turks & Caicos Islands
- Led certified SCUBA divers on recreational and scientific dives
- Acted as a secondary advisor for student research, by leading research dives and snorkels, assisting in data/sample collections, managing logistics, and reviewing written materials
- Taught upper-level classes to undergraduate students regarding marine field research instruments and techniques, tropical marine species identification, underwater photography/videography, and photo/video editing
- Maintained waterfront facilities, including filling SCUBA tanks, general boat maintenance and fueling, and servicing moorings
- Formulated guides for 3D modeling coral reefs using Agisoft Metashape and Rhinoceros 6 software
- Assisted in maintaining company blog and social media account
- Engaged with the local community on a regular basis

2021

Discover Aquatics Aquarium Hobby Shop

- Facilitated sales of aquarium hobby products including fish, corals, tanks and other accessories
- Ensured the well being of aquatic species by maintaining regular feeding schedules and optimal chemical, flow and lighting balances within the aquaria
- Acquired fundamental knowledge in coral micro-fragmentation techniques

2018-

Tri-State Scuba Water Academy

- 5-month Divemaster program
- Obtained PADI Divemaster certification
- Experience in teaching students in classroom and field settings

Skills/Certifications:

Scientific Research

- Experience in literature review, scientific writing, and planning, organizing, gathering resources for, and conducting complete research experiments on various scales
- Intent to complete and publish master's thesis within the year
- Benefited from many opportunities for small scale experimental design exercises throughout degree
- Worked on teams alongside fellow students and established researchers

Field Sampling

- Practiced intertidal, subtidal and deep water sampling techniques in the Caribbean Sea, Atlantic Ocean (Portuguese south coast), Adriatic Sea, Mediterranean, English Channel, and Skagerrak Sea
- Experience using scientific field equipment including: Niskin bottles, Van Veen grab, sediment corer, photography equipment, quadrats, transect lines

Lab Work

- Familiar using safe lab practices for seagrass physiology assays, microfauna and seaweed species identification under a microscope, general and intermediate chemistry protocols
- Experience using laboratory equipment including: spectrophotometer, liquid nitrogen storage, centrifuge, micro-plate reader, mass spectrometer, IR spectrometer, gravity and mechanical filtration

Scientific Diving

- Completed +150 scientific and coral restoration dives in the Caribbean Sea
- Ample experience handling many items and tasks simultaneously while diving

PADI certified Divemaster and Rescue Diver (+350 Dives)

- Completed with Tri State Scuba Water Academy in Cincinnati, OH

Emergency First Responder and First Aid/CPR certified

- Certified through the Professional Association of Diving Instructors (PADI)

Team Leadership

- 3 years' experience leading department employees as Footwear Sales Lead & Pricing and Signage Lead at Dick's Sporting Goods, Inc.
- Nominated as team captain to guide my team towards success on the Denison University Track & Field team

Scientific/Organizational Software

- R, JMP, ImageJ, EndNote, Microsoft 365

3-D Modeling Software

- Agisoft Metashape, Rhinoceros 6

Species Identification

- I3S software, Atlantic and Gulf Rapid Reef Assessment (AGRRA) Training (Coral & Fish Indicators)

Photography/Videography Editing Software

- Davinci Resolve, Final Cut Pro, iMovie, darktable

Small Boat Handling Experience

- In the coastal waters of South Caicos, Turks & Caicos Islands
- Carolina Skiff 21-23'

Construction Experience

- Approximately six years of informal and volunteer construction experience
- Intermediate/Conversational Spanish
- Completed three semesters of Spanish coursework at Denison University

Research Interests:

Marine biology, ecology, and conservation
 Ecosystem health and restoration
 Climate change mitigation
 Ecological field studies

Past Research Experiences:

- 2023 The use of physiological stress levels as a potential indicator for successful transplantation of *Zostera marina* and *Zostera noltii* seagrasses during the winter season [ongoing research; intent to publish]
- 2022 Green Tides: Evaluating the grazing rates of intertidal *Fissurella limbata* and *Tetrapyrgus niger* on *Ulva sp*
- 2019 Assessing calcium carbonate budgets to evaluate reef accretion and topographic complexity of South Caicos coral reefs
- 2019 Investigating behavioral effects of black spot syndrome in ocean surgeonfish (*Acanthurus bahianus* and *Acanthurus tractus*)
- 2017 Effectiveness of the Isla Bastimentos Marine Protected Area on coral reef health and fish diversity
- 2017 Impact of invasive plant species on pond ecosystems in northern Kentucky

Organizational Involvement and Service:

- 2019 TCSPCA Volunteer
- Participated in the Turks and Caicos Society for the Prevention of Cruelty to Animals Spay and Neuter Clinic in South Caicos, Turks and Caicos Islands
 - Conducted safe animal handling techniques, supervised injured animals, and maintained clean facilities and instruments
- 2019 Climate Pirates Representative
- Led and participated in various climate change initiatives
 - Managed and provided content for social media account
- 2018 The School for Field Studies (SFS) Campus Representative
- Publicized SFS experience and advised prospective students
 - Promoted sustainable practices among classmates
- 2017 – Alpha Epsilon Delta National Health Preprofessional Honor Society
 2017 Sin Carrizo, Por Favor Campaign
- Led a campaign in Bocas del Toro, Panama encouraging local restaurants and hostels to discontinue serving plastic straws
 - Organized and participated in a sustainability fair to educate locals in Bocas del Toro, Panama about living sustainability
- 2016-2018 Big Brothers, Big Sisters of Licking County

- Volunteered at a local elementary school once a week
- Assisted my “little” in academics and character building

Other Activities:

Sales Lead, DICK’S Sporting Goods – Jun 2016 to Feb 2023

- Promoted into multiple leadership positions
- Organized systems for pricing, signage and back stock storage
- Approximately 30-40 hours a week

Denison University Women’s Track & Field athlete – Sept 2014 to May 2018

- Captain; All-American in the High Jump

Academic Awards & Honors:

2018 U.S. Track & Field and Cross Country Coaches Association All-Academic Award

2017 U.S. Track & Field and Cross Country Coaches Association All-Academic Award

2016 U.S. Track & Field and Cross Country Coaches Association All-Academic Award

2016 Alpha Epsilon Delta National Health Preprofessional Honor Society

2015 U.S. Track & Field and Cross Country Coaches Association All-Academic Award