

CURRICULUM VITAE

Chloe Lee

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Born in Austin, TX USA

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Education

- Nov. 2022 – Present Doctor of Philosophy (PhD) student in Earth, Life, and Environmental Sciences biology curriculum, University of Bologna (UniBo) (Italy). Focus Area: Detecting temporal and spatial trends of marine and freshwater communities in subtropical and temperate ecosystems using multivariate analysis. Supervisor: Dr. Erik Caroselli. Expected Graduation: Nov 2025
- Oct. 2020 – July 2022 Master of Science (MS) in Sciences and Management of Nature, Global Change Ecology and Sustainable Development Goals curriculum, University of Bologna (UniBo) (Italy). MS thesis: Eight years of community structure monitoring through recreational citizen science at the “SS Thistlegorm” wreck (Red Sea). Supervisor: Dr. Erik Caroselli.
- Nov. 2019 – Aug. 2020 Associate of Science (AS), Austin Community College (TX, USA). Continuing science education classes with an emphasis on human health
- Sep 2013 – May 2017 Bachelor of Science (BS) in Marine Biology with a Minor in Chemistry, University of Tampa (FL, USA)
- Jun 2016 – July 2016 Broad Reach Student Ultimate Predators Course (South Africa). Assisted in data collection of organismal density in the Syafunda private game reserve and planned environmental stewardship opportunities for local communities.
- Sept. 2012 – May 2013 Country Day School Graduation (Guanacaste Costa Rica). Attendance to multiple environmental conferences and contribution of teaching curriculum for the community of Ostional during the annual Arribada, an Olive Ridley Sea Turtle (*Lepidochelys olivacea*) nesting event.

Academic Professional Experience

- June – Aug. 2024 Research Fellow Central Caribbean Marine Institute. Director: Dr. Gretchen Goodbody.
- 1-20 Oct. 2023 Teacher Assistant “Management of Ecosystem Resources and Services” Department of Biological, Geological, and Environmental Sciences (BiGeA), UniBo (Italy). Professor: Dr. Erik Caroselli. Guest lecturer and group leader on field excursions for marine biodiversity data collection in Monterosso al Mare, Italy
- 1 – 22 Nov. 2022 Teacher Assistant “Management of Ecosystem Resources and Services” Department of Biological, Geological, and Environmental Sciences (BiGeA), UniBo (Italy). Professor: Dr. Erik Caroselli. Guest lecturer and group leader on field excursions for sampling of macroinvertebrates and fish in S. Benedetto in Alpe Italy
- 1 – 21 Oct. 2021 Teacher Assistant “Management of Ecosystem Resources and Services” Department of Biological, Geological, and Environmental Sciences (BiGeA), UniBo (Italy). Professor: Dr. Erik Caroselli. Guest lecturer and group leader on field excursions for marine biodiversity data collection in Monterosso al Mare, Italy

Sept. 2016 – May 2017 Research Assistant University of Tampa (Tampa FL, USA), Supervisor: Dr. Mason Meers

- Assisted in data collection for geometric morphometric analysis of skull morphology differences among parent and invasive populations of the West Nile River Monitor
- Created 3-dimensional models of skulls with micro-computed tomography scans using Amira software
- Landmarked 16 selected skull features of the 3D models, measured the distance of each landmark to all other landmarks, and ran statistical analyses within and between each population to determine a morphological change.

Relevant Professional Experience

June 2018 – Nov. 2018 Dive Master and Conservation Intern IndoOcean Project (Nusa Penida, Indonesia)

- Collected data on predatory indicator fish species through roving surveys and Baited Remote Under Water Videos
- Database Management
- Collected mangrove propagules (seeds) from the surrounding islands to plant and foster within the mangrove nursery for reintroduction of the vital habitat on Nusa Penida
- Performed boat scheduling, logistics coordination, guest completion of mandatory paperwork
- Organized and assisted in community outreach programs including beach clean-up events and local environmental school talks

May 2015-Dec. 2016 Animal Husbandry/Education and Public Programs Assistant Florida Aquarium (Tampa FL, USA)

- Planned and prepared weekly diet for the 30 resident mammals
- Cleaned aviary and wetlands exhibits
- Responsible for feeding various fish and birds within the aquarium
- Touch tank supervisor, provided safety and knowledge to the guests and organisms through monitoring and physical engagement
- Served as Organismal Advisor to the public through question-and-answer sessions with visitors

Other Qualifications

2024 NITROX Diver, NAUI. 2024 Emergency First Responder, Professional Association of Diving Instructors (PADI). 2024 Scientific Diver (60ft), AAUS. 2018 Master Scuba Diver (PADI). 2018 Stress and Rescue Diver Scuba Schools International (SSI). 2018 Advanced Open Water Diver, PADI. 2018 Project Aware Manta Ray Conservation, PADI. 2018 Deep Diver Specialty, PADI. 2012 Open Water Diver, PADI. 2023 Peer Review Excellence Training Graduate, IOP Publishing. Driving License, issuing state: Texas, USA.

Other Professional Experience

Jan. 2019 – Nov. 2019 Assistant General Manager/Waitress Cielo Bistro Mexico (Austin TX, USA)

- Assistant General Manager
 - Responsible for employee scheduling, inventory maintenance, Texas Food Establishment Rules enforcement in accordance with the Department of Health, and operational opening/closing restaurant
 - Participated in interviews, hiring decisions, terminations
 - Processed payroll
 - Ensured customer satisfaction with attentiveness and hands-on approach

- Waitress
 - Responsible for the execution and presentation of correct food orders, special requests, all payment transactions, and ultimately guest satisfaction
 - Responsible for order and cleanliness of stations within the front-of-house and having a thorough knowledge of food and drink lists
 - Exercised my communication, time-management, and organizational skills

July 2017 – May 2018 Ranch Hand Idylwood Stables (Austin TX, USA)

- Responsible for general maintenance and caretaking of all 50 horses on property
- Dewormed, performed wound care, administered medicine, rotated horses in pasture, cleaned and maintained stalls, prepared, and maintained feed for specific dietary needs of each horse
- Trained and worked three to five horses a day to ensure fitness and reduce habit-forming behaviors
- Taught adult and child riding lessons

Articles in Impact Factor Journals

Lee C, Caroselli E, Toffolo MM, Mancuso A, Marchini C, et al. (2023) Eight years of community structure monitoring through recreational citizen science at the “SS Thistlegorm” wreck (Red Sea). PLOS ONE 18(3): e0282239.

<https://doi.org/10.1371/journal.pone.0282239>

Marchi A, Bertaccini A, Fan W, Zuffi G, Sacchetti S, Nanetti M, **Lee C**, Agostini A, Lucchini D, Bianconcini S, Zaccanti F, Goffredo S, Caroselli E. Refinement of the NISECI ecological index reference conditions for Italian freshwater fish communities in the eastern Emilia-Romagna region. Ecological Indicators 155: e111070.

<https://doi.org/10.1016/j.jenvman.2016.10.004>

Participation and Organization of Underwater Scientific Missions

June-Sep 2024	<u>AAUS Scientific Diver</u> Little Cayman Island (Cayman Islands) Fish surveyor for biweekly bleaching assessment and monitoring at the Central Caribbean Marine Institute (CCMI)
15-18 Aug 2024	<u>AAUS Scientific Diver</u> Little Cayman Island (Cayman Islands) Fish surveyor for the yearly Atlantic and Gulf Rapid Reef Assessment (AGRRA) monitoring for CCMI
14-18 July 2024	<u>AAUS Safety Diver</u> Little Cayman Island (Cayman Islands) Assisted tech divers in bringing up equipment and collected specimens during deco stops and ensured the safety of all tech divers during the Darwin Sea Mount expeditions to Pickle Bank
3, 21 Aug. 2018	<u>Expedition Leader</u> Nusa Penida, Bali (Indonesia) Real time data collection on predatory indicator fish species and environmental parameters
15 Aug. 2018	<u>Assembly Supervisor</u> Nusa Penida, Bali (Indonesia) Led the assembly of bated remote underwater video surveillance apparatus for the purpose of minimal human influence on data collection of predatory indicator fish species and environmental parameters
2,9,30 Sept. 2018	<u>Expedition Leader</u> Nusa Penida, Bali (Indonesia) Real time data collection on predatory indicator fish species and environmental parameters
18 Sept. 2018	<u>Assembly Supervisor</u> Nusa Penida, Bali (Indonesia) Led the assembly of bated remote underwater video surveillance apparatus for the purpose of minimal human influence on data collection of predatory indicator fish species and environmental parameters
5, 22, 25 Oct. 2018	<u>Expedition Leader</u> Nusa Penida, Bali (Indonesia) Real time data collection on predatory indicator fish species and environmental parameters
13 Oct. 2018	<u>Assembly Supervisor</u> Nusa Penida, Bali (Indonesia) Led the assembly of bated remote underwater video surveillance apparatus for the purpose of minimal human influence on data collection of predatory indicator fish species and environmental parameters

Active Participation to International Conferences

2) **Lee C**, De Witt F, Machado Toffolo M, Mancuso A, Caroselli E, Goffredo S. Land-based protection affects Red Sea coral reef communities over 8 years of monitoring (poster presentation) 7th European Congress of Conservation Biology (17-21 June 2024).

1) **Lee C**, Caroselli E, Toffolo MM, Mancuso A, Marchini C, Meschini M, Goffredo S (2022) Eight years of community structure monitoring through recreational citizen science at the “SS Thistlegorm” wreck (Red Sea). 15th International Coral Reefs Symposium (ICRS). Bremen Virtual, 3-8 July.

Supervision of Master’s students

3) October 2022 - July 2023. Letizia Ripa; Master’s Degree in Marine Biology; Thesis “Influence of anthropic impacts on benthic community structure temporal trends in the Mediterranean Sea”; Supervisor: E. Caroselli, co-supervisors: **C.A. Lee**, M.M. Toffolo, S. Goffredo (BiGeA)

2) October 2022 – October 2023. Riccardo Zampiga; Master’s Degree in Sciences and Management of Nature; Thesis “Monitoraggio della biodiversità del Mar Mediterraneo attraverso la citizen science: affidabilità dei dati raccolti da subacquei ricreativi nell’ambito del progetto Sentinelle del Mare”; relatore: S. Goffredo (BiGeA), correlatori: E. Caroselli, M.M. Toffolo, **C. A. Lee (BiGeA)**

1) November 2022 – October 2023. Francesca De Witt; Master’s Degree in Sciences and Management of Nature, Unibo; Thesis “Management strategy effects on Red Sea coral reef community structure and temporal trends over 8 years of monitoring”; Supervisor: E. Caroselli; Co-supervisor: **C.A. Lee (BiGeA)**

Public Engagement Activities

13-15 Oct. 2023 [European Dive Show \(EuDi\)](#), Bologna (Italy). Presentation of the projects within the Marine Science Group.

25-27 Feb. 2022 [European Dive Show \(EuDi\)](#), Bologna (Italy). Presentation of the projects within the Marine Science Group.

Membership in Academic Committees

Sept. 2014 – May 2015 [Student Government Liaison](#) University of Tampa Equestrian Team (Tampa FL, USA)

Sept. 2015 – May 2016 [Fundraising Chair](#) University of Tampa Equestrian Team (Tampa FL, USA)

Sept. 2016 – May 2017 [Points and Show Coordinator](#) University of Tampa (Tampa FL, USA)

Skills and Attributes

IT Skills:

- R (statistical analysis)
- JMP (statistical analysis)
- Primer-e (statistical analysis)
- Amara (3D modeling)
- Photoshop
- Microsoft Office suite

- CLC sequence viewer (genetic sequencing)

Extracurricular Activities:

- Scuba diving
- Cycling
- Ultimate Frisbee
- Hiking
- Climbing