

Benjamin J. Angalet

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EDUCATION

Kennesaw State University

M.S. in Integrative Biology

Aug 2024 – Exp. May 2026

Thesis: Assessing the Osmoregulatory Capabilities of American Alligator Lingual Glands

College of Coastal Georgia

B.S. in Biology

Dec. 2022

Concentration: Coastal Ecology

Minor: Environmental Science

PROFESSIONAL EXPERIENCE

Kennesaw State University

Laboratory Coordinator – Field Research Support

Nov. 2023 – Present

- Instruct thirteen (13) distinct safety courses for students, staff, and faculty to ensure compliance with university and regulatory standards.
- Support the daily operations of both teaching and research laboratories within the Department of Biological Sciences.
- Oversee the maintenance and use of KSU's greenhouses, Oasis Pond, and research/teaching vessels, ensuring safe and effective usage.
- Manage and maintain the department's biological equipment inventory, ensuring functionality and availability.
- Supervise the chemical inventory for the biology department, maintaining safety standards and accurate documentation.
- Coordinate the operation and upkeep of the department's vehicle fleet, including the biology trucks.
- Procure materials, supplies, and services necessary for laboratory, field, and departmental operations.
- Collaborate closely with faculty and staff to streamline field research logistics and ensure operational efficiency.

Atlantic Coast Consulting

Environmental Scientist

Aug. 2023 – Nov. 2023

- Monitor, evaluate, and maintain the performance of gas collection systems across multiple landfill sites in the southeastern United States.
- Conduct groundwater extraction and sampling near landfill boundaries to assess water quality and potential impact on surrounding communities.
- Prepare detailed technical reports for both commercial and government-operated municipal solid waste sites, addressing gas system performance, maintenance needs, and recommended improvements to reduce environmental pollution.

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Jekyll Island Authority

Park Ranger

Mar. 2023 – Aug. 2023

- Public face of environmental education and conservation policy enforcement.
- Perform island patrols to ensure the safety of the public and promote wildlife conservation.
- Conduct education programs regarding American alligators, bald eagles, and other flora and fauna native to the Georgia coast.
- Respond to wildlife rescue calls and transport animals to the Georgia Sea Turtle Center.
- Engage with residents, guests, and staff to answer questions about local ecology and ordinances.

UGA Marine Extension – Skidaway Island

Aquarium Science Intern

May 2022 – July 2022

- Performed animal husbandry for a diverse collection of marine, freshwater, and reptilian species, ensuring optimal health and welfare.
- Conducted routine care duties including water changes, food preparation, target and broadcast feeding, water quality testing, and enrichment activities.
- Maintained and constructed aquarium systems to support healthy aquatic environments and species-specific needs.
- Participated in field collection of aquarium specimens using various techniques such as trawling, seining, cast netting, and longlining.
- Engaged with the public through educational programming focused on the aquatic biota of the Savannah region, promoting awareness and conservation.

College of Coastal Georgia

Sep. 2021 – Dec. 2022

Lab Technician for Biological Sciences Laboratory

- Set up and broke down laboratory experiments for undergraduate biology courses, ensuring all materials and equipment were properly prepared and organized.
- Performed thorough cleaning and sterilization of lab equipment to maintain a sterile and contamination-free environment.
- Assisted with daily animal husbandry for marine and freshwater aquariums, reptile terrariums, and isopod enclosures, supporting animal health and habitat maintenance.

INDEPENDENT RESEARCH EXPERIENCE

College of Coastal Georgia

Shark Paleoecology Study

Sep. 2020 – Dec. 2023

- Conducted research on the shark species of coastal Georgia during the Miocene, Pliocene, and Pleistocene epochs through the collection and analysis of fossilized teeth.
- Contributed to the scientific understanding of temporal shifts in shark diversity by identifying species present across multiple geologic epochs.
- Utilized fossil evidence to infer ecological dynamics of ancient marine communities, including predator-prey relationships and habitat structure.

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Fossil Curator

Fall 2021

- Analyzed, identified, and cataloged fossil specimens housed in the College of Coastal Georgia's fossil museum collection.

COURSE-BASED RESEARCH EXPERIENCE

College of Coastal Georgia

Aquatic Biology and Ecology - Water Quality Effects on Non-Native Fauna in a Saint

Simons Island Pond

Aug. 2020 – Dec. 2020

- Assessed habitat suitability for non-native black carp (*Mylopharyngodon piceus*) in a brackish pond on Saint Simons Island, Georgia using water quality analysis.

Marine Biology - Assessment of Water Quality and Plankton Diversity in Brunswick and Saint Simons Island, Georgia

Jan. 2021 – May 2021

- Conducted water quality analysis and plankton surveys in Brunswick and Saint Simons Island, Georgia to identify key environmental factors influencing plankton diversity.

Coastal Research Methods – Sapelo Island Research

Jul. 2021

- Assessed vegetation cover in sand dune ecosystems using transect tape methodology.
- Analyzed the organic composition of soils within a maritime forest habitat.
- Collected biometric data on estuarine organisms through fish trawling surveys.
- Performed water quality analyses to evaluate tidal influences on estuarine water parameters.

PUBLICATIONS

Clark J.L., & **Angalet B.** (2023) Analyzing the shark paleoecology of coastal Georgia from the Miocene and Pliocene epochs. *Georgia Journal of Science*, 81(2): Article 16. Available at: <https://digitalcommons.gaacademy.org/gjs/vol118/iss2/16/>

GRANTS

Internal

Angalet, B.A., & Green, N.S. Assessing the Osmoregulatory Capabilities of American Alligator Lingual Glands. Kennesaw State University's Department of Ecology, Evolution, and Organismal Biology Graduate Research Funding 2025, \$2,038.79. Funded.

Angalet, B.A., & Green, N.S. Assessing the Osmoregulatory Capabilities of American Alligator Lingual Glands. Kennesaw State University Mentor Protege Program 2025. \$3,455.56. Funded.

PRESENTATIONS

BENJAMIN ANGALET, NICHOLAS S. GREEN. Assessing the osmoregulatory capabilities of American alligator lingual glands. Kennesaw State University Symposium of Student Scholars. Kennesaw, GA. April 17, 2025. (*Poster presentation*).

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BENJAMIN ANGALET, NICHOLAS S. GREEN. Assessing the osmoregulatory capabilities of American alligator lingual glands. Palmetto Alligator Research & Management Symposium. Aiken, SC. March 27-28, 2025. (*Poster presentation*).

BENJAMIN ANGALET, NICHOLAS S. GREEN. Assessing the osmoregulatory capabilities of American alligator lingual glands. Association of Southeastern Biologists. Myrtle Beach, SC. March 13, 2025. (*Poster presentation*).

BENJAMIN ANGALET, JOSHUA CLARK. Analyzing the shark paleoecology of coastal Georgia. Symposium on Undergraduate Research and Collaborative Exploration. Brunswick, GA. May 5, 2022. (*Oral presentation*).

BENJAMIN ANGALET, JOSHUA CLARK. Analyzing the shark paleoecology of coastal Georgia. Georgia Academy of Science Conference. Brunswick, GA. March 2022. (*Oral presentation*).

BENJAMIN ANGALET, JOSHUA CLARK. Analyzing the shark paleoecology of coastal Georgia. Department of Natural Science Colloquium. Brunswick, GA. November 2021. (*Oral presentation*).

BENJAMIN ANGALET, JOSHUA CLARK. Analyzing the shark paleoecology of coastal Georgia. College of Coastal Georgia Science Symposium. Brunswick, GA. November 2021. (*Poster presentation*).

BENJAMIN ANGALET, JOSHUA CLARK. Analyzing the shark paleoecology of coastal Georgia. Earth Systems Lecture. Brunswick, GA. September 2021. (*Invited talk*).

SERVICE

Kennesaw State University

Advisor of Aquaria Club

Sep. 2024 – Present

- Co-founded and serving as the advisor for KSU's Aquaria Club, promoting active learning and education through the construction, creation, and care of aquaria.

College of Science and Mathematics Safety Committee Member

Dec. 2023 - Present

College of Coastal Georgia

Field Trip/Tour Guide

Aug. 2021 – Nov. 2021

- Developed and led a service-learning project with Tideland's Nature Center, organizing and guiding field trips to educate undergraduate students on the paleontology and ecology of coastal Georgia.

CERTIFICATIONS

Laboratory Safety Institute's 24-Hour Laboratory Safety Boot Camp

Jul. 2024

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AWARDS

Georgia Academy of Science Conference

Best Presentation in the Earth and Atmospheric Sciences Section

Mar. 2022

- Title: Analyzing the shark paleocology of Coastal Georgia from the Miocene and Pliocene epochs.

College of Coastal Georgia

HOPE Scholarship

Aug. 2018 – Dec. 2022

- Acquiring and maintaining a GPA of 3.0 or better.

