

Caleb Branam

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EDUCATION

University of Florida (August 2018-May 2020)

Bachelor of Science in Wildlife Ecology and Conservation.

Transferred from the University of Tennessee-Knoxville in Fall of 2018

EXPERIENCE

**Fishery Observer for West Coast Groundfish Observer Program (Alaskan Observer Inc.)
Port Orford, Oregon (March 2021-October 2021)**

- Recorded counts and weights of species caught on commercial fishing vessels along the west coast.
- Took various biological samples of species including lengths, tissue samples, and otoliths.
- Worked through harsh conditions such as, rough seas, freezing air and water temperatures.
- Communicated and worked professionally with commercial fisherman that did not share the same ecological views as me or agreed with my work.

**Laboratory Research Assistant at UF Aquatic Pathobiology Laboratory
Gainesville, FL (August 2018-February 2020)**

- Conduct mating experiments on two species of Florida stone crabs.
- Analyze the effects of varying water acidity on early benthic juvenile (EBJ) Caribbean spiny lobsters by designing and constructing y-mazes.
- Maintain aquarium habitats by measuring salinity using a refractometer and making saltwater.
- Provide daily care to various species by preparing squid and mullet for feeding.
- Collect tissues for disease analysis of Jonah Crabs, Caribbean spiny lobsters, and Florida stone crabs.

**Field Technician Assistant
Key Largo, FL (July 2019)**

- Aided in the capturing of Caribbean spiny lobsters and Florida stone crabs.
- Performed dissections of Caribbean spiny lobsters for PaV1 virus testing.

**Volunteer with USGS Manatee Health Assessments
Crystal River, FL (December 2018)**

- Seine-netted manatees for capture and transport to health assessments according to USGS protocol.
- Served as lookout on a boat identifying approaching manatees.

**Undergraduate Research Assistant
Cedar Key, FL (September 2018)**

- Helped a graduate student measure the density of oyster clusters versus vegetation using 1m x 1m transect plots.

**Tennessee Wildlife & Resource Agency Deer Check Station Volunteer
Oak Ridge, TN (November 2017)**

- Extracted lymph nodes and lower jaw from deer for chronic wasting disease testing and aging.
- Aged deer based on observation of their teeth.

Certifications

- PADI Open Water Certification (March 2019)
- NAUI Advanced SCUBA Rescue Diver (February 2020)
- NAUI Nitrox Diver (March 2020)
- NAUI Advanced Diver (July 2020)

Laboratory and Field Skills

- Various random selection methods
- Crustacean dissection experience
- Handling of live lobsters, crabs, and various freshwater and saltwater fish species
- Electrofishing and using beach seines and crawfish traps
- Use of refractometer, pH probe, CO₂ cylinder, closed loop aquarium pumps, and GPS
- Basic aquarium maintenance

Computer and Technical Skills

- Basic R Studio skills
- Basic program Distance skills
- Basic program Presence skills
- Microsoft Office/Word
- Proficient computer and presentation skills (PC and Mac)

Study Abroad

Study abroad in Cuba (University of Florida) (May-June 2019)

- Observed and compared invasive species in both well and poorly managed land areas
- Studied the ecology of coral reefs, mangroves, and seagrasses
- Identified habitats by snorkeling
- Studied terrestrial ecosystems and agricultural systems in Cuba
- Lead and participated in scientific literature discussions

Study abroad in Belize (University of Tennessee) (May 2017)

- Measured forest characteristics and disturbance around a trail cam monitoring animal movement
- Worked in intensive and harsh conditions
- Mist netted for birds and bats

Leadership

Vice-President of the UF Student Chapter of the Wildlife Society (August 2019-May 2020)

- In charge of organizing a wild game dinner fundraiser for over 250 guests
- Worked with faculty to organize learning workshops for students

ACTIVITIES / ASSOCIATIONS

Member of UF Student Chapter of the Wildlife Society (2018-2020)

Member of UF Marine Biology Club (2018-2020)

Member of UTK Student Chapter of the Wildlife Society (2016-2018)

Relevant Coursework

Courses taken at the University of Florida

FAS 4932: Fish Population Dynamics
WIS 4501: Intro to Wildlife Population Ecology
WIS 4501: Quantitative Ecology
PEN 2138/FAS 4932: Advanced and Scientific Scuba Diving
ZOO 4405: Sea Turtle Biology
FAS 4932: Biology and Ecology of Algae
WIS 4954: Wildlife Techniques
WIS 4554: Conservation Biology
WIS 4570: Animal Behavior and Conservation
WIS 3401: Wildlife Ecology and Management
WIS 3404: Natural Resource Ecology
WIS 3553: Introduction to Conservation Genetics
ENY3005: Entomology

Courses taken at the University of Tennessee at Knoxville

WFS 425: Tropical Ecology, Conservation, and Field Methods in Belize
FWF 212: Dendrology
ESS 210: Intro to soil science
FWF 430: Intro to GIS/Natural Resources