

Taylor Nicole Carlson

E-Mail: taylor.carlson11@okstate.edu

Education:

Oklahoma State University | Stillwater, OK

07/2018-Present

Department of Integrative Biology

Master's Student: Advisors – Dr. Stanley Fox & Dr. Elisa Cabrera-Guzmán

Louisiana State University | Baton Rouge, LA

12/2015

School of Renewable Natural Resources

Bachelor of Science, Natural Resource Ecology and Management

Area of Concentration: Conservation Biology

Minor: Anthropology

Research Experience:

Research Associate – Desert Tortoise Monitoring

03/2018-05/2018

AmeriCorps

03/2016-06/2016

Great Basin Institute | Las Vegas, NV

- Process measurements of wild tortoises and carcasses for population density research
- Navigate line transects using GPS and compass surveying for tortoises, carcasses, and burrows
- Practice sterile techniques to protect biosecurity between sites of study

Field Technician – Collared Lizard Behavioral Ecology

08/2017-11/2018

Integrative Biology

Oklahoma State University | Stillwater, Oklahoma

- Noose, measure, weigh, toe-clip, and paint lizards for individual identification
- Transcribe data into spreadsheets
- Feed and care for lizards in lab setting
- Setup and monitor behavior trials in lab with snakes and lizards
- Assist with hormone implantation

Research Assistant – Quail Nest Ecology

05/2017-08/2017

Natural Resources Institute

Texas A&M University | Weatherford, TX

- Use radio telemetry to locate quail for GPS data retrieval
- Program GPS and Beacon radio transmitters
- Organize data in spreadsheets
- Cooperate with private land managers
- Locate quail nest sites and identify plant species in microhabitat data

Research Assistant – Wildlife Monitoring

02/2017-5/2017

East Wildlife Foundation/Institute of Renewable Natural Resources

Texas A&M University | Hebbbronville, TX

- Establish small mammal trapping grids using GPS, compass, and measuring tape; bait traps; handle and mark small mammals using Sherman traps; take field notes; enter data into a database; and clean traps.
- Establish pitfall trap arrays; check pitfall and funnel traps daily; handle and identify captured reptiles and amphibians; and mark commonly captured lizards with pit tags.
- Conduct callback surveys once per month on owl and nightjar species

Research Assistant – Upland Game Ecology

08/2016-02/2017

School of Renewable Natural Resources

LSU | Baton Rouge, LA

- Analyze avian auditory spectrogram data for species identification, distributions, and abundance modeling in collaboration with graduate students
- Use radio telemetry to assist in relocating birds that had previously been equipped with VHF/GPS units in various locations in Louisiana
- Measure vegetation density in relation to woodcock habitat preference using GPS and GIS to manage points
- Capture and immobilize White-tail Deer and collar for radio telemetry tracking

Undergraduate Research Assistant – Upland Game Ecology

05/2015-03/2016

School of Renewable Natural Resources

LSU | Baton Rouge, LA

- Analyze avian auditory spectrogram data for species identification, distributions, and abundance modeling in collaboration with graduate students
- Use radio telemetry to assist in relocating birds that had previously been equipped with VHF/GPS units in various locations in Louisiana
- Measure vegetation density in relation to woodcock habitat preference

Field Technician – Dunes Sagebrush Lizard

05/2015-08/2015

Institute of Renewable Natural Resources

Texas A&M University | Monahans, TX

- Conduct microhabitat grid surveys over desert terrain and identify plant species and terrain characteristics
- Use pitfall traps to locate lizards for mark and recapture

Field Skills:

- Radio telemetry of birds, mammals, and reptiles
- Small mammal Sherman trapping, measuring, and ear tagging
- Mist net capture of birds and bats, bird identification and banding
- Drift fence and pitfall trap construction and management for herpetofauna, PIT tagging reptiles
- Preparation of specimens for scientific collections
- Vegetation sampling techniques using Daubenmire frame, densitometer, wedge prism, and plant identification
- Remote camera trap monitoring
- Basic GIS function
- GPS navigation
- Operation of manual transmission, trucks, ATVs, 4-wheel drive, and trailers
- Wilderness First Aid Certified (exp. 03/2020)