

## Holly M. Todaro

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Natural Resource Ecology and Management - Oklahoma State University

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Website: <https://hollytodaro.wixsite.com/research>

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### EDUCATION

**Oklahoma State University**, Stillwater, OK

*Doctor of Philosophy*, May 2026 (estimated)

Major: Natural Resource Ecology and Management

Advisors: Dr. Courtney J. Duchardt and Dr. Scott R. Loss

Committee Members: Dr. Robert C. Lonsinger, Dr. Neil A. Gilbert, & Dr. Anna K. Moeller

GPA: 4.0/4.0 (as of Spring 2025)

**Mississippi State University**, Starkville, MS

*Master of Science*, May 2022

Major: Wildlife, Fisheries and Aquaculture

Advisor: Dr. Kristine O. Evans

Committee Members: Dr. Mark D. McConnell, Dr. Dana J. Morin, & Dr. Scott A. Rush

GPA: 4.0/4.0

**Central Michigan University**, Mt. Pleasant, MI

*Bachelor of Science*, May 2016

Major: Conservation of Natural Resources

Minor: Geographic Information Science

Advisors: Dr. Wiline M. Pangle, Dr. Thomas M. Gehring, & Dr. Brian L. Becker

GPA: 3.1/4.0

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### PUBLICATIONS

10. Harman, A. J., **Todaro, H. M.**, Pratt, C. J., Eori, M. M., Brust, M. L., Hoback, W. W. (*In Review*). Update to the grasshopper (Orthoptera: Acrididae and Romaleidae) fauna of Oklahoma. *Southwestern Entomologist*.
9. **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (*In Review*). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *Ecological Applications*.
8. **Todaro, H. M.**, Loss, S. R., Lonsinger, R. C., & Duchardt, C. J. (2025). Factors influencing spatial and temporal patterns of *Lanius ludovicianus* (Loggerhead Shrike) occupancy at a grassland-sagebrush ecotone. *Ornithological Applications*.
7. **Todaro, H. M.**, Protzman, Z. E., Buehler, L. M., & Duchardt, C. J. (2025). Estimating Loggerhead Shrike (*Lanius ludovicianus*) occupancy with camera traps. *The Wilson Journal of Ornithology*.

6. **Todaro, H. M.**, Donahue, E. R., Harman, A. J., & Duchardt, C. J. (2025). Use of anthropogenic structures for nesting by Loggerhead Shrikes. *Avian Conservation and Ecology*.
5. **Todaro, H. M.**, Broadway, M. S., Koeck, M., Dotterweich, C. N., Cain, S., Lonsinger, R. C., & Chitwood, M. C. (2025). Co-occurrence models signal interspecific effects of an alien invasive on an endemic nuisance species undergoing concurrent range expansion. *Journal of Mammalogy*
4. Lawson, R., **Todaro, H. M.**, Bobay, L., Broadway, M., Cooper, D., Eori, M., Harman, A. J., Neumann, L., Loss, S. R., & O'Connell, T. (2025). Band recovery data illustrate spatiotemporal and taxonomic patterns of seabird collisions with anthropogenic structures. *The Wilson Journal of Ornithology*.
3. Boudreau, M. R., Adjaye, D. F., Dentinger, J. E., Dolan, L. A., Ripa, G. N., Ramirez-Reyes, C., Sklarczyk, C. A., Thornton, B. S., **Todaro, H. M.**, Lancaster, J. D., Kaminski, R. M., & Davis, J. B. (2024). An alternative approach to evaluating the energetic carrying capacity of the landscape for Mallard *Anas platyrhynchos* wintering in the Mississippi Alluvial Valley, USA. *Wildfowl*, 113–131.
2. **Todaro, H. M.**, Evans, K. O., Rush, S. A., & McConnell, M. D. (2023). Home range establishment and microhabitat selection of Bachman's Sparrows in a Mississippi pine forest. *Journal of Wildlife Management*, 87(6), e22422.
1. Pyle, P., Roche, D., Emery, Z., Fishel, E., **Todaro, H. M.**, Wayne, M., Wong, J., Kayano, K., Kaschube, D., & Helton, L. The Tropical Monitoring Avian Productivity and Survivorship (TMAPS) Program in American Samoa: 2018 Report. *The Institute for Bird Populations*, Point Reyes Station, CA.

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## RESEARCH GRANTS AND AWARDS

**Total Funding: \$34,301.00**

### 2025

- Tulsa Community Foundation Delores and Jerry Etter Graduate Research Scholarship Program (Funded: \$5,000.00)
- Payne County Audubon Society Helen Miller Research Award (Funded: \$1,000.00)
- The Wilson Ornithological Society Conference Travel Award (Funded: \$570.00)
- Oklahoma State University Williams Distinguished Graduate Fellowship (Funded: \$2,200.00)

### 2024

- Oklahoma State University Graduate and Professional Student Government Travel Award (Funded: \$400.00)

- Tulsa Community Foundation Delores and Jerry Etter Graduate Research Scholarship Program (Funded: \$10,000.00)
- Oklahoma State University Graduate and Professional Student Government Travel Award (Funded: \$200.00)
- Payne County Audubon Society Helen Miller Research Award (Funded: \$750.00)
- Oklahoma State University Williams Distinguished Graduate Fellowship (Funded: \$2,200.00)
- Wilson Ornithological Society Research Grant (Not Funded)
- American Ornithological Society Research Grant (Not Funded)
- Ferguson College of Agriculture CHS Club Mini-Grant (Funded: \$1,000.00)
- Wyoming Wildlife Foundation Bulter Nongame Species Fund (Funded: \$4,998.00)

#### 2023

- Oklahoma State University Graduate and Professional Student Government Travel Award (Funded: \$600.00)
- Colorado State University Radar Aeroecology Workshop Travel Award (Funded: \$1,125.00)
- Oklahoma State University Buck and C.A. Aldrich Endowed Fellowship (Funded: \$1,100.00)

#### 2022

- Mississippi State University Travel Assistance Grant for Graduate Students (Funded: \$800.00)
- Mississippi State University Graduate Student Travel Award (Funded: \$500.00)
- Mississippi State University College of Forest Resources David H. Nabi Memorial Award (Funded: \$500.00)
- Mississippi State University Graduate School Image of Research Finalist (Funded: \$100.00)

#### 2021

- Mississippi State University Graduate School Research Symposium 1st Place Oral Presentation (Funded: \$300.00)
- Mississippi State University Graduate School Image of Research Finalist (Funded: \$100.00)

#### 2016

- Collaborative recipient of the Explorers Club Youth Activity Fund Grant (Funded: \$500.00)
  - Central Michigan University Undergraduate Research & Creative Endeavors Grant (Funded: \$358.00)
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## ORAL PRESENTATIONS

- **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (06/2025). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *The Wildlife Society Annual Meeting*
- **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (06/2025). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *The Wilson Ornithological Society Annual Meeting*
- **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (04/2025). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *Oklahoma Natural Resource Conference - OKNRC*
- **Todaro, H. M.**, Broadway, M. S., Koeck, M., Dotterweich, C. N., Cain, S., Lonsinger, R. C., & Chitwood, M. C. (04/2025). Co-occurrence models signal interspecific effects of an alien invasive on an endemic nuisance species undergoing concurrent range expansion. *Oklahoma Natural Resource Conference - OKNRC*
- **Todaro, H. M.**, & Duchardt, C. J. (03/2025). Loggerhead Shrikes in Thunder Basin: Long-Term Occupancy, Monitoring with Cameras, and Nesting on Anthropogenic Structures. *Thunder Basin Research Initiative Annual Conference*
- **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (10/2024). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *American Ornithological Society Annual Conference*
- **Todaro, H. M.**, Loss, S. R., Buehler, L. M., Protzman, Z. E., & Duchardt, C. J. (04/2024). Factors influencing spatial and temporal patterns of Loggerhead Shrike at a grassland-sagebrush ecotone. *International Association for Landscape Ecology Conference*
- **Todaro, H. M.**, & Duchardt, C. J. (02/2024). Factors influencing spatial and temporal patterns of Loggerhead Shrike occupancy at a grassland-sagebrush ecotone. *Thunder Basin Research Initiative Annual Conference*
- **Todaro, H. M.**, & Duchardt, C. J. (02/2023). Factors influencing spatial and temporal patterns of Loggerhead Shrike occupancy at a grassland-sagebrush ecotone. *Thunder Basin Research Initiative Annual Conference*

- **Todaro, H. M.,** & Evans, K. O. (11/2022). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *The Wildlife Society Annual Conference*
- **Todaro, H. M.,** & Evans, K. O. (09/2022). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *Oklahoma State Three-Minute Thesis*
- **Todaro, H. M.,** & Evans, K. O. (07/2022). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *North American Conference for Conservation Biology*
- **Todaro, H. M.,** & Evans, K. O. (01/2021). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *The Wildlife Society Annual Conference*
- **Todaro, H. M.,** & Evans, K. O. (09/2021). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *Mississippi State University Graduate Student Research Symposium*
- **Todaro, H. M.,** & Evans, K. O. (08/2021). Microhabitat selection of Bachman's Sparrows in managed pine forests in eastern Mississippi. *Mississippi Chapter of The Wildlife Society*
- **Todaro, H. M.,** Evans, K. O., & Lewis, S. E. (09/2020). Assessing priority bird response to open pine management in eastern Mississippi. *The Wildlife Society Annual Conference*
- **Todaro, H. M.,** Evans, K. O., & Lewis, S. E. (08/2020). Assessing priority bird response to open pine management in eastern Mississippi. *North American Ornithological Conference*

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## TOOL PRESENTATIONS

- **Todaro, H. M.,** Lyon, L. M., Abram, T. B., Williamson, A. V., Fisher, M. V., Allen, Y. C., Campbell, B. L., Feist, K. D., Gonzalez, R., Granstaff, E., Haynes, A., Hopkins, T. E., Keller, C., McDaniel, E., Nixon, B., Pattavina, L. L., Redner, J. A., Rivenbark, E., Straight, C. A., Todt, L., & Tonn, S. (2025). Bridging Boundaries: A State Wildlife Action Plan Data Visualization Tool for Regional Conservation Collaboration. *Southeast Climate Adaptation Science Center Symposium*
- Williamson, A. V., **Todaro, H. M.,** Lyon, L. M., Abram, T. B., Fisher, M. V., Allen, Y. C., Campbell, B. L., Feist, K. D., Gonzalez, R., Granstaff, E., Haynes, A., Hopkins, T. E., Keller, C., McDaniel, E., Nixon, B., Pattavina, L. L., Redner, J. A., Rivenbark, E., Straight, C. A., Todt, L., & Tonn, S. (2025). The Landscape Recovery Tool: Supporting Adaptation and Recovery Planning Across the Southeast. *Southeast Climate Adaptation Science Center Symposium*

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## INVITED PRESENTATIONS

- **Todaro, H. M.,** & Duchardt, C. J. (04/2025). Loggerhead Shrikes in Thunder Basin: Long-Term Occupancy, Monitoring with Cameras, and Nesting on Anthropogenic Structures. *Gulf Coast Ecosystem Restoration Council*

- **Todaro, H. M.**, Nessel, M. P., Galante, A. W., North, A. M., Duchardt, C. J., & Loss, S. R. (02/2025). Birds in a changing climate: A global meta-analysis of weather effects on avian reproduction. *The Wichita Audubon Society Meeting*
- Lyon, L. M., **Todaro, H. M.**, & Abram, T. B. (12/2024). A Tale of Two Recovery Tools: Collaboration, Communication, and Conservation across Landscapes. *The Annual Conference of the Southeastern Association of Fish and Wildlife Agencies*

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## POSTER PRESENTATIONS

(\*Denotes undergraduate mentee student presentations)

- North, A. M., Galante, A. W., **Todaro, H. M.**, Duchardt, C. J., & Loss, S. R. Investigating the Influence of Precipitation on Avian Nesting Success: A Vote-Counting Meta-analysis. *Society for Integrative and Comparative Biology*, (10/2024)
  - Lawson, R., **Todaro, H. M.**, Bobay, L., Broadway, M., Cooper, D., Eori, M., Harman, A., Neumann, L., Loss, S. R., & O'Connell, T. Spatiotemporal and Taxonomic Patterns of Seabird Collisions with Anthropogenic Structures. *The Wilson Ornithological Society Annual Meeting*, (07/2024)
  - North, A. M., Galante, A. W., **Todaro, H. M.**, Duchardt, C. J., & Loss, S. R. Investigating the Influence of Precipitation on Avian Nesting Success: A Vote-Counting Meta-analysis. *Oklahoma State University Undergraduate Research Symposium*, (04/2024)
  - Protzman, Z. E., **Todaro, H. M.**, Buehler, L. M., & Duchardt, C. J. Shrike a Pose! Using Trail Cameras to Estimate Loggerhead Shrike Occupancy. *Oklahoma State University Undergraduate Research Symposium*, (04/2024)
  - Protzman, Z. E., **Todaro, H. M.**, Buehler, L. M., & Duchardt, C. J. Shrike a Pose! Using Trail Cameras to Estimate Loggerhead Shrike Occupancy. *Texas Chapter of The Wildlife Society Conference*, (09/2023)
  - **Todaro, H. M.**, Loss, S. R., & Duchardt, C. J. Factors Influencing Spatial and Temporal Patterns of Loggerhead Shrike at a Grassland-Sagebrush Ecotone. *American Ornithological Society Annual Conference*, (08/2023)
  - **Todaro, H. M.**, McWaters, S., & Pangle, W. M. Crying Wolf: Foraging Tradeoff of Squirrels in Response to Locally Extinct Predator Stimuli. *Central Michigan University's Student Research and Creative Endeavors Exhibition*, (04/2016)
  - **Todaro, H. M.**, McWaters, S., & Pangle, W. M. Crying Wolf: Foraging Tradeoff of Squirrels in Response to Locally Extinct Predator Stimuli. *The Wildlife Society's Mid-Michigan Conference*, (05/2016)
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## PROFESSIONAL AND RESEARCH EXPERIENCE

### U.S. Fish and Wildlife Service

Remote Position; Non-competitive Appointment Eligible via Pathways Internship – Hour History Report Available Upon Request

*Supervisors:* Dr. Todd Hopkins, Dean Demarest, Catherine Rideout, Rafael Gonzalez

*Pathways Intern with Migratory Bird Program (GS-9), January 2024–Present*

- Assisted in the creation and implementation of conservation planning tools such as The Landscape Recovery Tool, State Wildlife Action Plan Dashboard Tool, and Birds of Conservation Concern Dashboard Tool
- Developed how-to guides and a manuscript for conservation planning tools, and presented their implementation at professional meetings

### Oklahoma State University

Stillwater, Oklahoma

*Supervisors:* Dr. Courtney Duchardt, Dr. Scott Loss

*Dr. Fritz L. Knopf Doctoral Fellowship in Avian Conservation, August 2022–Present*

- Conducted a global meta-analysis to understand the effects of weather and climate change on avian reproduction
- Investigated factors influencing bird-window collisions in three U.S. cities using radar-derived data
- Identified factors influencing Loggerhead Shrike occupancy dynamics in northeastern Wyoming

### Mississippi State University and U.S. Fish and Wildlife Service

Remote Position

*Supervisors:* Rafael Gonzalez, Dr. Todd Hopkins, Dr. Kristine Evans – Public Land Corps Certification Available Upon Request

*Landscape Recovery Tool Data Analyst, May 2022–December 2023*

- Populated data for the Landscape Recovery Tool using species recovery plan data
- Developed a framework for a conservation tool using data from State Wildlife Action Plans
- Supervised technicians

### Mississippi State University

Starkville, Mississippi

*Supervisors:* Dr. Kristine Evans, Dr. Mark McConnell, Dr. Scott Rush, Dr. Dana Morin, Steven Lewis

*Master's Thesis Research, January 2020–May 2022*

- Quantified species-level habitat associations and effects of open pine management on southeastern bird species abundance
- Provided recommendations for managing priority bird species in open pine forests
- Investigated habitat characteristics of Bachman's Sparrow territory establishment and microhabitat selection

### The Ohio State University

Columbus, Ohio

*Supervisors:* James Wright and Dr. Chris Tonra

*Blue Jay Seed Dispersal Project, Field Technician, September 2019–December 2019*

- Captured, banded, and radio-tagged Blue Jays to track chestnut dispersal and over-winter survival
- Monitored survival of American chestnut seedlings

## **Oregon State University**

Newport, Oregon

*Supervisors:* Dr. Jim Rivers, Dr. Matthew Betts, Dr. Kim Nelson, Dr. Dan Roby

*Oregon Marbled Murrelet Project, Lead Aerial Technician, April 2019–September 2019*

- Led nest searches and conducted aerial telemetry for Marbled Murrelets along the Pacific coast
- Managed safety and logistics for aerial flight plans

## **U.S. Geological Survey**

Hawaiian Islands

*Supervisors:* Dr. Eben Paxton, Elizabeth Abraham

*Avian Malaria Research Project, Field Technician, October 2018–April 2019*

- Conducted fieldwork across Hawaiian Islands to study avian pox and malaria
- Assisted with satellite and radio tracking for forest birds, contributing to endangered species research
- Endangered species sub-permit holder

## **Oregon State University**

Newport, Oregon

*Supervisors:* Dr. Jim Rivers, Dr. Matthew Betts, Dr. Kim Nelson, Dr. Dan Roby

*Oregon Marbled Murrelet Project, Field Technician, May 2018–August 2018*

- Assisted with Marbled Murrelet research and nest success investigations
- Led teams to conduct nest surveys and vegetation surveys at nest sites

## **The Institute for Bird Populations**

Ofu-Olosega Islands, American Samoa

*Supervisors:* Peter Pyle, Lauren Helton, Kimiko Kayano, Daniel Roche

*TMAPS Bird Banding Technician & Tongan Ground-Dove Technician, October 2017–April 2018*

- Operated six bird banding sites in American Samoa
- Developed an aging and sexing guide for avian species in American Samoa
- Captured and banded Tongan Ground Doves, collecting morphological, blood, and feather samples

## **University of Wisconsin-Madison**

Boulder Creek, California

*Supervisors:* Dr. Zachary Peery, Dr. Anna Pidgeon, Kristin Brunk

*Avian Field Technician, May 2017–August 2017*

- Assisted with fieldwork examining the relationship between Steller's Jays, human subsidies, and Marbled Murrelets
- Conducted telemetry and behavioral trials on Steller's Jays

## **U.S. Geological Survey Bird Banding Lab**



Troy, Michigan

*Supervisor:* Allen Chartier

*MAPS Banding Assistant, April 2017–May 2017, April 2018*

- Assisted with passerine banding and data collection
- Safely extracted birds from mist nets and recorded morphological data

### **Animal Hospital of Lakeport**

Lakeport, Michigan

*Supervisor:* Dr. Barton C. Meadows

*Veterinary Technician, October 2016–May 2017*

- Administered medications and assisted with surgeries and diagnostics

### **Fripp Island Activity and Nature Center**

Fripp Island, South Carolina

*Supervisor:* Jessica Miller

*Naturalist Intern, June 2016–October 2016*

- Led nature tours and birding trips
- Conducted point count surveys to estimate local bird populations

### **Central Michigan University, Museum of Cultural and Natural History**

Mount Pleasant, Michigan

*Supervisor:* Dr. Kristen Nicholson

*Museum Assistant, May 2014–May 2016*

- Led tours and developed exhibits on Michigan's natural history
- Designed educational programs for children

### **Michigan Department of Natural Resources**

Augusta, Michigan

*Supervisor:* Tracey Swem and Alicia Ihnken

*Parks and Recreation Division Intern, June 2014–August 2014*

- Conducted fieldwork on Eastern box turtle movements in response to prescribed fire
- Assisted with radio tracking and habitat assessments

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## **CONFERENCES AND WORKSHOPS**

### 2025

*10/2025 – The Wildlife Society Annual Conference (Presenter; In-person)*

*09/2025 – Southeast Climate Adaptation Science Center Symposium (Presenter; In-person)*

*06/2025 – The Wilson Ornithological Society Annual Conference (Presenter; In-person)*

*04/2025 – Oklahoma Natural Resource Conference (Presenter; In-person)*

*03/2025 – Thunder Basin Research Initiative Symposium (Presenter; Virtual)*

## 2024

*09/2024 – American Ornithological Society Annual Conference (Presenter; In-person)*

*08/2024 – International Radar Aeroecology Conference (Attendee; Virtual)*

*04/2024 – International Association for Landscape Ecology Conference (Presenter; In-person)*

*02/2024 – Thunder Basin Research Initiative Symposium (Presenter; Virtual)*

## 2023

*08/2023 – American Ornithological Society Annual Conference (Poster Presentation; In-person)*

*07/2023 – Radar Aeroecology Workshop (Attendee; In-person)*

## 2022

*11/2022 – The Wildlife Society Annual Conference (Presenter; In-person)*

*07/2022 – North American Congress for Conservation Biology (Presenter; In-person)*

## 2021

*08/2021 – Mississippi State University R Intensive Workshop (Attendee; In-person)*

*08/2021 – Mississippi Chapter of The Wildlife Society (Presenter; Virtual)*

*02/2021 – Pacific Seabird Group Annual Meeting (Attendee; Virtual)*

## 2020

*09/2020 – The Wildlife Society Annual Conference (Presenter; Virtual)*

*08/2020 – North American Ornithological Conference (Presenter; Virtual)*

*05/2020 – International Association for Landscape Ecology (Attendee; Virtual)*

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## **TEACHING**

Experience teaching undergraduate courses, class size ranging from 15–90

### Teaching Assistant

*01/2023* – Oklahoma State University Ornithology (NREM 4464); Teaching Hours: 80

*04/2022* – Mississippi State University Ornithology (WFA 4443); Teaching Hours: 40

*08/2021* – Mississippi State University Waterfowl Ecology (WFA 4394); Teaching Hours: 80

*04/2021* – Mississippi State University Ornithology (WFA 4443); Teaching Hours: 30

### Guest Lecturer

*02/2024* – Oklahoma State University Graduate Seminar (NREM 5020); Teaching Hours: 1

*02/2024* – Clemson University Bird Monitoring Creative Inquiry (FNR 4700); Teaching Hours: 2

*02/2024* – Oklahoma State University Introduction to Natural History (NREM 1014); Teaching Hours: 2

*09/2022* – Oklahoma State University Ornithology (NREM 4464); Teaching Hours: 6

*04/2022* – Mississippi State University Wildlife Techniques (WFA 4243); Teaching Hours: 2

*04/2021* – Mississippi State University Wildlife Techniques (WFA 4243); Teaching Hours: 2

### Training

*08/2025* – Graduate Teaching Assistant Conference; Training Hours: 8

*04/2025* – Beyond the Degree: Graduate Student Professional Development Series; Training Hours: 2

*02/2025* – Grading and Feedback: Strategies for Efficiency and Consistency; Training Hours: 2

*02/2025* – Engaging Students in the Classroom: Encouraging Participation; Training Hours: 2

*01/2025* – Ferguson College of Agriculture Spring Teaching Workshop; Training Hours: 5

*12/2024* – Designing College Courses: Backward Design; Training Hours: 1

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## **UNDERGRADUATE MENTORING**

1. Addie Galante (09/2022–02/2025); Student Researcher

2. Aryanna North (09/2022–12/2024); Student Researcher
3. Zoe Protzman (07/2022–08/2024); Student Researcher
4. Rachel Foulke (09/2021–03/2022); Student Researcher
5. Brianna Conner (08/2025–12/2025); Capstone Student Researcher
6. Emily Boeing (08/2025–12/2025); Capstone Student Researcher
7. Krysten Simpkins (08/2025–12/2025); Capstone Student Researcher
8. Christopher Bryan (08/2025–12/2025); Capstone Student Researcher

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## **VOLUNTEERING & OUTREACH**

### 2025

*04/2025* – Feedback Provider at Oklahoma State University’s Undergraduate Research Symposium

### 2024

*04/2024* – Feedback Provider at Oklahoma State University’s Undergraduate Research Symposium

*02/2024* – Captured and Banded Wild Turkeys as Part of an Assessment of Wild Turkey Genetic Health

### 2022

*05/2022* – Conducted Prairie Dog and Point Count Surveys for Grassland Birds at Thunder Basin National Grassland for Ten Days

*04/2022* – Assisted with Capture of Osprey Using Bow Nets and Carpet Noose

### 2021

*11/2021* – Assisted Electroshock Stream Surveys and Fish Sampling in Puerto Rico

*08/2021* – Assisted with Capture and Collaring of Feral Pigs

*05/2021* – Assisted with Insect Trapping, Cataloging, and Pinning

### 2020

*03/2020* – Supervised Banding Stations at Mississippi State University, Teaching Undergraduates about Bird Banding and Mist Net Setup

### 2017

*11/2017 – Guest Speaker at Career Fairs at Local High Schools in American Samoa as a Representative for the Department of Marine and Wildlife Resources*

*04/2017 – Beehive Inspector with the Pine River Nature Center*

*04/2017 – Volunteered with the Port Huron Stewardship Unit Educating the Public During Local Earth Fair Events*

## **2016**

*10/2016 – Co-Instructed a Two-Hour Seminar, “Turtles of the Lowcountry” at the University of South Carolina Beaufort*

*06/2016 – Volunteered with the Port Huron Stewardship Unit as a Public Educator and Workshop Assistant at the Sturgeon Festival*

*06/2016 – Volunteered with the Michigan Department of Natural Resources in a Herpathon; Searched for Amphibians and Reptiles to Estimate Local Population Sizes*

*05/2016 – Volunteered Throughout the Summer with the Pine River Nature Center Designing Educational Exhibits, Planning, and Instructing Nature Camp Programs*

*04/2016 – Conducted Educational After-School Programs Teaching Natural Sciences to Children (Preschool–Eighth Grade) in Mt. Pleasant, MI*

## **2015**

*07/2015 – Enrolled as a Student in an Animal Behavior Field Study Course at Central Michigan University’s Biological Station on Beaver Island for Six Weeks*

*06/2015 – Volunteered with the Michigan Department of Natural Resources Gaining Experience with Bird Banding, Sturgeon Tagging, and Electroshock Stream Surveys*

*04/2015 – Volunteered with Earth Day Events for Children at the Midland Chippewa Nature Center*

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## **PROFESSIONAL SERVICE**

**Reviewer for Journals:** Ecology and Evolution, Journal of Field Ornithology, Journal of Wildlife Management, Wildlife Society Bulletin

**Proposal Reviewer:** National Fish and Wildlife Foundation America the Beautiful Challenge, Oklahoma State Wildlife Action Plan (2025)

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## **INSTITUTIONAL SERVICE**

**Oklahoma State University**

Stillwater, Oklahoma

*Natural Resource Ecology and Management Graduate Student Writing Club, January 2021–May 2024*

- Established and led the Graduate Student Writing Club aimed at enhancing scientific writing skills among graduate students
- Facilitated discussions on various aspects of scientific writing, including paper and paragraph structure, reviewer etiquette, title creation, figure captions, etc.
- Fostered a collaborative and supportive environment for graduate students to improve their writing proficiency and succeed in scholarly publications
- Organized and conducted 48-hour publication challenges, resulting in the successful peer-review and submission of manuscripts by participating members

### **Oklahoma State University**

Stillwater, Oklahoma

*Natural Resource Ecology and Management Graduate Student Organization (GSO) Faculty Representative, May 2023–May 2024*

- Facilitated communication and collaboration between the GSO and departmental faculty
- Participated in faculty meetings, disseminated GSO updates during meetings, and conveyed GSO member issues and concerns to faculty and departmental leadership
- Moderated faculty candidate interviews

### **Mississippi State University**

Starkville, Mississippi

*Wildlife, Fisheries and Aquaculture Graduate Student Association President, January 2021–December 2021*

- Organized graduate student events, actively participated in faculty meetings, and managed outreach efforts to students and media
- Developed and conducted workshops such as Introduction to Grant Writing, GitHub 101, R Intensive Workshop, and a Mentoring Mini-series
- Successfully orchestrated a fully funded Wild Game Dinner for the College of Forest Resources, hosting 200 attendees, and featuring live music and raffles, supported by sponsors and donations

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## **DIVERSITY, EQUITY, INCLUSION, AND JUSTICE (DEIJ) ACTIVITIES**

### 2022

*11/2022* – Organized a DEIJ Seminar for the Department of Natural Resource Ecology and Management at Oklahoma State University

*10/2022* – Facilitated Department-Wide Discussions Regarding How the Department Can Take Steps to Promote Meaningful DEIJ Actions

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## **PROFESSIONAL CERTIFICATIONS**

- Graduate Teaching Assistant Certification
- NRA Basic Shotgun Training
- ATV Safety Certification

- Wildlife First Aid and First Responder
  - First Aid and CPR
  - Interagency Aviation Training (A-100, A-116, A-200, A-312)
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## **PROFESSIONAL SOCIETIES AND AFFILIATIONS**

- The Wildlife Society
  - The Loggerhead Shrike Working Group
  - Pacific Seabird Group
  - American Ornithological Society
  - Wilson Ornithological Society
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## **SKILLS**

### **Field**

- Bird Identification by Sight and Sound
- Bird Banding, Aging, and Sexing
- Birds Banded: 1,400
- Birds Bled: 600
- Point Count Surveys
- VHF Telemetry (Attachment: 60; Tracking: 200)
- Aerial Surveys and Aerial VHF Tracking
- 4WD Operation and Trailer Hauling
- GPS Tracking and Navigation
- Orienteering and Backpacking
- Vegetation Surveys Using Robel Pole, Daubenmire Frame, Densitometer, Clinometer, Wedge Prism
- Camera Trapping
- PIT Tagging
- Electroshocking and Stream Surveys
- Gill Netting
- Animal Handling and Large Mammal Collaring
- Insect Pinning
- Bow Nets
- Noose Carpet

### **Computer**

- Microsoft Applications
- R Programming
- Python
- ArcMap and ArcCatalog
- GitHub
- Weather Radar Data Extraction and Visualization

**Analytical**

- Unmarked
- MARK
- Resource Selection Functions
- N-Mixture Models
- Bayesian Hierarchical Models