

Sarah A. Cain

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Education

M.S. Natural Resource Ecology and Management | December 2024

- Ferguson College of Agriculture, Oklahoma State University
- Thesis: Elk resource selection and space use interactions in the presence of low-intensity human recreation
- GPA: 4.0

B.S. Wildlife Ecology and Management | December 2021

- School of Forestry and Wildlife Sciences, Auburn University
- Major: Wildlife Ecology and Management
- Minor: Spanish
- Honors: Magna Cum Laude

Professional Experience

Extension Associate | Extension Forestry | North Carolina State University College of Natural Resources | December 2024-Present

Supervisor: Dr. Robert Bardon

- Provide leadership for the development, delivery, and evaluation of educational programming and materials, with an emphasis on prescribed fire and fire science.
- Build collaborative partnerships with a variety of stakeholders including county Extension personnel, landowners, state and federal agencies, non-government organizations, natural resource professionals and others to increase the visibility and reach of Extension Forestry.
- Assist in conducting coordination, implementation, education and outreach components of the Southeast Regional Partnership for Planning and Sustainability (SERPPAS) Southeast Prescribed Fire Initiative.
- Understand and connect with the actors and organizations engaged in wildland fire, prescribed fire, and fire science in the southeastern U.S. and deliver SFE programs that support their fire science information needs.
- Serve as the primary editor of the monthly Driptorch Digest newsletter.
- Provide leadership and work collaboratively in data management and reporting in support of SERPPAS programs.
- Maintain existing and develop new programs in cooperation with pertinent agencies and organizations in support of wildland fire in the Southeast.
- Conduct all aspects of virtual and in-person education/outreach events including planning, marketing, event logistics, education, and program evaluation.
- Maintain and update program digital platforms such as WordPress, Facebook, X (Twitter), and other means of online communication to provide wildland fire outreach.
- Create marketing, outreach, education, and training materials such as flyers, brochures, fact sheets, publications, or journal articles.
- Seek external funding to support program effort, to include developing proposals and managing awarded proposals. Follow university policy and procedures to ensure compliance with funding agencies.
- Support NCSU's student fire training program through the administration of training courses and serving as instructor as appropriate.

Outreach Specialist | Southern Fire Exchange | North Carolina State University College of Natural Resources | December 2024-Present

Supervisor: Dr. David Godwin

- Provide leadership for the development, delivery, and evaluation of educational programming and materials, with an emphasis on prescribed fire and fire science.
- Build collaborative partnerships with a variety of stakeholders including county Extension personnel, landowners, state and federal agencies, non-government organizations, natural resource professionals and others to increase the visibility and reach of the Southern Fire Exchange
- Assist in planning, implementing, and evaluating fire science delivery programs for the multi-institution Southern Fire Exchange (SFE) program as part of the nationwide Joint Fire Science Program Fire Science Exchange Network.

- Understand and connect with the actors and organizations engaged in wildland fire, prescribed fire, and fire science in the southeastern U.S. and deliver SFE programs that support their fire science information needs.
- Support development of the bimonthly SFE Fire Lines newsletter.
- Provide leadership and work collaboratively in data management and reporting in support of SFE programs.
- Maintain existing and develop new programs in cooperation with pertinent agencies and organizations in support of wildland fire in the Southeast.
- Conduct all aspects of virtual and in-person education/outreach events including planning, marketing, event logistics, education, and program evaluation.
- Maintain and update program digital platforms such as WordPress, Facebook, X (Twitter), and other means of online communication to provide wildland fire outreach.
- Create marketing, outreach, education, and training materials such as flyers, brochures, fact sheets, publications, or journal articles.
- Seek external funding to support program effort, to include developing proposals and managing awarded proposals. Follow university policy and procedures to ensure compliance with funding agencies.

Research Experience

Graduate Research Assistant | Department of Natural Resource Ecology and Management | Oklahoma State University
Advisors: Dr. Colter Chitwood and Dr. Bryan Murray | August 2022-December 2024

Master's Thesis: Elk resource selection and space use interactions in the presence of low-intensity human recreation
Utilized camera trap and GPS collar data to quantify elk and mule deer interactions and to quantify elk response to human activity in southwest Montana.

- Conducted backcountry camera deployment fieldwork, hired and trained technicians on proper camera deployment, viewshed measurement protocol, and camera image analysis protocol using Timelapse 2 software, used AI program MegaDetector to process photos, extracted landscape variables from ArcGIS Pro®, managed large datasets from project to use for analysis, and performed co-occurrence occupancy modeling and resource selection function analyses in R and program MARK.
- Participated in extracurricular fieldwork capturing and collaring mule deer and pronghorn fawns in Oklahoma. Assisted with field necropsies as well as conducted pre- and post- parturition behavioral observations.
- Collaborated with the University of Montana and the Montana Department of Fish, Wildlife and Parks.

Collaborative Researcher | Department of Agricultural Education, Communications, and Leadership | Oklahoma State University

Advisor: Dr. Audrey King | May 2023-Present

Manuscript: Through Her Scope: Exploring Women's Perceptions and Barriers in Hunting

- Utilized focus group data to identify and address perceptions, motivations, and barriers affecting female hunter participation in Oklahoma.
- Used maxQDA® software to analyze focus group data, participated in and curated social media posts describing research objectives on Facebook, X (Twitter), and Instagram, and prepared a factsheet describing research findings for the Oklahoma Cooperative Extension Service.
- Listed as a primary author on the manuscript, which is currently under review.
- Collaborated on an extracurricular interdisciplinary research project with the Oklahoma Department of Wildlife and Conservation and Oklahoma State University's Department of Agricultural Education, Communications and Leadership.

Undergraduate Research Assistant | Deer Laboratory at Auburn University

Advisor: Dr. Stephen S. Ditchkoff | November 2019-December 2021

Thesis: Analyzing the efficacy of pellet count surveys to estimate density of white-tailed deer (*Odocoileus virginianus*)

- Established pellet plots, assisted with camera surveys, conducted pellet counts, supervised and trained field technicians, entered and managed pellet survey data, and analyzed data from pellet surveys in program R.
- Produced biannual project reports and research highlight material to disseminate project objectives to undergraduate research administration members and the public.

Research Internship | Smithsonian Conservation Biology Institute | Clifton Institute

Supervisors: Dr. Joseph Kolowski and Dr. Bert Harris | May 2021-August 2021

American Kestrel GPS Tracking Project

- Mapped habitat boundaries within kestrel territories using QGIS®, monitored kestrel and barn owl nests, assisted with capture and banding of adult kestrels, kestrel nestlings, and barn owlets, engaged with landowners (in English and in Spanish) to gain access to kestrel habitat, identified and measured vegetation height and density in kestrel habitat using the Robel method, conducted direct observations of and photographed adult kestrels and fledglings to correlate behavior data with tracking data, assisted with programming logger settings on backpack transmitters, assisted in development of American Kestrel Tracking application, and managed large datasets from project. Additionally participated in news articles and social media posts describing research objectives on Facebook, X (Twitter), and Instagram.

Research Technician | Auburn University School of Forestry and Wildlife Sciences | Barbour County Wildlife Management Area

Supervisor: Mark Turner | May 2019-August 2019

- Assisted with vegetation line transects, collected and weighed deer forages, cruised timber, entered data, assisted with wild turkey counts, and assisted with dove banding.

Undergraduate Research Assistant | Deer Laboratory at Auburn University

Supervisor: Monet Gomes | October 2018-February 2020; January 2021-December 2021

- Assisted with deer chemical immobilization procedures, conducted white-tailed deer body and antler measurements, collected saliva samples, conducted ectoparasite counts, and utilized VHF radio telemetry. Additionally participated in social media posts describing research objectives on Facebook, Twitter, and Instagram.

Undergraduate Research Assistant | Deer Laboratory at Auburn University

Supervisor: Tanner Hough | August 2019

- Utilized VHF telemetry and thermal cameras to locate collared and uncollared fawns, collared new fawns, and collected weather data in fawn bedding locations.

Undergraduate Research Assistant | Auburn University | School of Forestry and Wildlife Sciences

Supervisor: Dr. Todd D. Steury | October 2018-January 2019

- Analyzed game camera images of black bears and entered corresponding data from images.

Undergraduate Research Assistant | Auburn University | School of Forestry and Wildlife Sciences

Supervisor: Dr. Stephen S. Ditchkoff | October 2018-November 2018

- Analyzed game camera images of wild turkey and white-tailed deer and entered corresponding data from images.

Publications

Cain, S.A., B. D. Murray, P. M. Lukacs, R.C. Lonsinger, K.M. Proffitt, J.A. Gude, and M.C. Chitwood. Elk response to seasonal low-intensity human recreation in southwest Montana. *People and Nature*. In preparation.

Cain, S.A., R.C. Lonsinger, P. M. Lukacs, K.M. Proffitt, J.A. Gude, B. D. Murray, and M.C. Chitwood. Interspecific interactions of elk and mule deer in a low-intensity human recreation area in southwest Montana. *Wildlife Biology*. In preparation.

Cain, S.A., A.E.H. King, L. Harvey, P. M. By. York, and K. M. Adams. A Barbie Doll with a Gun: Understanding Women's Motivations and Barriers to Hunting. *Society & Natural Resources*. In preparation.

Cain, S.A., A.E.H. King, L. Harvey, P. M. By. York, and K. M. Adams. Understanding Women's Motivations and Barriers to Hunting. *Oklahoma Cooperative Extension Service* (Extension Factsheet). In review.

Broadway, M.S., H. M. Todaro, M. Koeck, C. N. Dotterweich, **S. A. Cain,** R.C. Lonsinger, M.C. Chitwood. Co-occurrence models signal interspecific effects of an alien invasive on an endemic nuisance species undergoing concurrent range expansion. *Biological Invasions*. April 2025. Available from: <https://doi.org/10.1093/jmammal/gyaf023>

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. Efficacy of Pellet Count Surveys to Estimate Population Size of White-tailed Deer. *Wildlife Research*. In preparation.

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. Efficacy of Pellet Count Surveys to Estimate Density of White-tailed Deer (*Odocoileus virginianus*). *Auburn University Journal of Undergraduate Scholarship* (Research Highlight). October 2021. Available from: <http://our.auburn.edu/wp-content/uploads/2021/10/Cain-pdf.pdf>

Teaching and Mentoring Experience

Graduate Teaching Assistant | Oklahoma State University | Ferguson College of Agriculture

Supervisor: Dr. Bryan Murray | August 2022-December 2022; August 2023-December 2023

Class: Geospatial Technologies for Natural Resources

- Graded lab assignments, taught lab classes, and conducted office hours to provide additional assistance to students in both Geospatial Technologies lecture content and in use of ArcGIS Pro©.
- Provided both oral and written feedback to students on lab assignments in person and on the program Canvas©.

Undergraduate Teaching Assistant | Auburn University | College of Science and Mathematics

Supervisor: Dr. Geoffrey Hill | January 2021-April 2021

Class: Ornithology

- Assisted with classroom and laboratory procedures in Dr. Geoffrey Hill's Ornithology class such as bird counts, bird identification, quiz and test preparation, test proctoring, and overall student learning.

Undergraduate Teaching Assistant | Auburn University | School of Forestry and Wildlife Sciences

Supervisor: Dr. Christopher Lepczyk | August 2020-December 2020

Class: Wildlife Ecology, Conservation, and Management

- Graded field notebooks and tutored students in lecture content regarding wildlife ecology, conservation, and management in the Southeast and across the United States.

Outreach and Extension Experience

Extension Content Developer for Science Communication | OSU Natural Resources Extension | Oklahoma State University

Supervisor: Allison Thompson, M.S. | April 2023-June 2024

- Collaborated on projects involving the creation of digital media for science-based land management communication objectives, developed infographics and digital media for ecological management, used Asana© program for task and project management, used Adobe products such as Adobe Illustrator and Adobe Premier Pro to create digital science communication content, and utilized ArcGIS Pro© to create maps for visual science communication.

Communications Chair | Natural Resource Ecology and Management Graduate Student Organization (NREM GSO) | Oklahoma State University | April 2023-May 2024

- Maintained membership records, prepared all NREM GSO announcement and communication material, kept meeting minutes and notes, informed members of relevant news via email and social media accounts using Meta Business Suite, Instagram, Facebook, and X (Twitter), created and designed a brand-new website for the NREM GSO, oversaw updates of Outlook calendar with all related events to the members, and used Asana© program for task and project management.
- NREM GSO Website: <https://okstatenremgso.wixsite.com/home>

Feedback Provider | Annual OSU Undergraduate Research Symposium | Oklahoma State University

Supervisor: Dr. Racheal Eaton | April 18th, 2023

- Provided formative feedback in-person and online (using the InfoReady© online feedback form) to undergraduate research presenters in the Integrative Biology and Natural Resource Ecology and Management Departments. Also attended Feedback Provider Training.

Judge | 2023 Oklahoma State Science and Engineering Fair (OSSEF) | Oklahoma State University

Supervisor: Dr. Julie Angle | March 24th, 2023

- Provided formative feedback in-person and through written materials (using a standardized scoring sheet) to research presenters in grades 6-8 in the Earth and Environmental Sciences, and Natural Resources (EESNR) division. Also attended Judge Orientation Training.

Website Developer | National Agricultural Communications Symposium | Oklahoma State University

Supervisor: Dr. Audrey King | March 2023-May 2023

- Collaborated with Makenzie Sheldon and Hannah Hawkesworth to create and design a brand-new website for the National Agricultural Communications Symposium (NACS) annual conference using Wix© website development software. Responsibilities included meeting with clients (Dr. Audrey King, Dr. Lacey Roberts-Hill and Dr. Ricky Telg), gathering website content, creating website design, and maintaining website efficacy.

- NACS Conference Website: <https://www.nacsweb.org/>

Committee Member | Distinguished Speaker Committee | Natural Resource Ecology and Management Graduate Student Organization | Oklahoma State University | March 2023-Present

- Responsibilities: Coordinating with other graduate students and Oklahoma State University professors to host bi-annual speakers for the NREM Graduate Student Organization. Interfacing with professors and other natural resource professionals on possible speaker opportunities. Communicating and advertising speaker events through social media posts and flyer distribution. Hosting speakers and coordinating budget for travel and food.

Conservation Education Presenter | Disney's Animals, Science, and Environment | The Walt Disney Company
Role: Wilderness Explorer | January 2022-June 2022

- Disseminated information about conservation, wildlife, and environmental sciences to a diverse group of audiences using fun and engaging storytelling techniques. Presented conservation education material (in English and Spanish) to guests of all ages through the Wilderness Explorer program at Disney's Animal Kingdom. Presented education material in both badge locations and animal habitats to inspire guests to positively impact wildlife and take conservation action. Maintained an up-to-date knowledge of wildlife research and zoo animal behavior to interpret to Disney's Animal Kingdom visitors. Engaged with education leadership as a member of the Diversity and Inclusion Team to improve badge content and accessibility. Trained new interns on badge content, operations, and job expectations.

Auburn University SFWS Student Ambassador | Auburn University | School of Forestry and Wildlife Sciences
Supervisor: Wendy Franklin | February 2019-December 2021

- Conducted tours for prospective students and family and represented the School of Forestry and Wildlife Sciences through various promotional events.

Professional and Extension/Education Presentations

Professional Presentations

Cain, S.A. *Master Burner Program Development and Working with Master Programs*. Oral presentation delivered at the Association for Fire Ecology Congress, December 2025. New Orleans, LA.

Cain, S.A. *Fire Festivals: Fueling Support of Prescribed Fire*. Oral presentation delivered at the International Union of Forest Research Organizations (IUFRO) Small Scale Forestry and Extension Knowledge Exchange conference, September 2025. Everett, WA.

Cain, S.A. *Managing Wildlife with Fire*. Oral presentation delivered at Managing Wildlife with Fire Workshop with Triangle Prescribed Burn Association, July 2025. Hillsborough, NC.

Cain, S.A. *Careers in Wildland and Prescribed Fire*. Oral presentation delivered at North Carolina Native American Youth Conference, July 2025. Wilmington, NC.

Cain, S.A. and J. E. Fawcett. *Fueling Fire Knowledge: How Extension Supports Wildland Fire and Fire Science*. Oral presentation delivered at Broadening Extension through Student Training (BEST) Conference, May 2025. State College, PA.

Cain, S.A., C. Berger, J.E. Fawcett, and J.H. Campbell. *Master Burner Program Development and Working with Master Programs*. Oral presentation delivered at 2025 Cooperative Extension Fire Peer-Learning Exchange, April 2025. Wawona, CA.

Cain, S.A. *Using Digital Media in Fire Science Communication*. Oral presentation delivered at 2025 Cooperative Extension Fire Peer-Learning Exchange, April 2025. Wawona, CA.

Cain, S.A., J.E. Fawcett, D. R. Godwin, and S. Crate. *Fire Festivals: Fueling Support of Prescribed Fire*. Poster presentation delivered at Association of Science Communicators Science Talk '25 Conference, April 2025. Virtual.

Cain, S.A., J. E. Fawcett, D. R. Godwin, and S. Crate. *Fire Festivals: Fueling Support of Prescribed Fire*. Poster presentation delivered at Science with Society: Science Talk '25, April 2025. Virtual.

Cain, S.A. *My Career in Natural Resources*. Guest lecture delivered in Dr. Sam Cook's Ethical Dilemmas in Natural Resource Management class, March 2025. Raleigh, NC.

Cain, S.A. and J. E. Fawcett. *Resilient Landscapes and Communities: Wildland Fire, Smoke, and Extension*. Guest lecture delivered in Dr. Kurt Smith's Introduction for Forest Science class, February 2025. Raleigh, NC.

Cain, S.A., B.D. Murray, R.C. Lonsinger, P. M. Lukacs, and M.C. Chitwood. *Elk Resource Selection in a Mountain Range with Low Human Recreational Use*. Oral presentation delivered at The Wildlife Society Annual Conference, October 2024. Baltimore, MD.

Cain, S.A., A.E.H. King, L. Harvey, P. M. By. York, and K. M. Adams. *A Barbie Doll with a Gun: Understanding Women's Motivations and Barriers to Hunting*. Oral presentation delivered at The Oklahoma Chapter of The Wildlife Society Annual Conference, February 2024. Edmond, OK.

Cain, S.A., B.D. Murray, R.C. Lonsinger, P. M. Lukacs, and M.C. Chitwood. *Ungulate Occupancy: When and Where Do They Share?* Poster presentation delivered at The Oklahoma Chapter of The Wildlife Society Annual Conference, February 2024. Edmond, OK.

Cain, S.A., A.E.H. King, L. Harvey, P. M. By. York, and K. M. Adams. *A Barbie Doll with a Gun: Understanding Women's Motivations and Barriers to Hunting*. Oral presentation delivered at the National Agricultural Communications Symposium, February 2024. Atlanta, GA.

Cain, S.A., B.D. Murray, R.C. Lonsinger, P. M. Lukacs, and M.C. Chitwood. *Ungulate Occupancy: When and Where Do They Share?* Poster presentation delivered at The Wildlife Society Annual Conference, November 2023. Louisville, KY.

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. *Do pellet counts count? Efficacy of pellet count surveys for estimating white-tailed deer density*. Oral presentation delivered at National Conference on Undergraduate Research, April 2021. Virtual.

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. *Analyzing the efficacy of pellet count surveys to estimate density of white-tailed deer (*Odocoileus virginianus*)*. Oral presentation delivered at Auburn Research 2021 Student Symposium, March 2021. Virtual.

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. *Do pellet counts count? Efficacy of pellet count surveys for estimating white-tailed deer density*. Oral presentation delivered at Southeast Deer Study Group, February 2021. Virtual.

Cain, S.A., C.H. Newbolt, R.A. Gitzen, W.D. Gulsby, and S.S. Ditchkoff. *Pellet perplexities: Can pellet count surveys accurately estimate density of white-tailed deer?* Poster presentation delivered at Southeast Deer Study Group, February 2020, Auburn, AL.

Extension/Education Presentations

Cain, S. A. *Opportunities in Natural Resources*. Guest lecture delivered in Dr. Colter Chitwood's Game Management class at Oklahoma State University, January 2024, Stillwater, OK.

Cain, S. A. *Ungulate Interactions and Response to Human Recreation in the Ruby Range*. Guest lecture delivered at the Oklahoma State University chapter of The Wildlife Society, March 2023, Stillwater, OK.

Cain, S. A. *Opportunities in Natural Resources*. Guest lecture delivered in Dr. Colter Chitwood's Game Management class at Oklahoma State University, January 2023, Stillwater, OK.

Cain, S. A. and M. Forrest. *Incorporating Spanish into Wilderness Explorer Badge Content*. Oral presentation delivered at Disney's Animal Kingdom Theme Park, June 2022, Orlando, FL.

Cain, S. A. *Prescribed Fire: Using Fire as a Management Tool*. Oral presentation delivered at Disney's Animal Kingdom Theme Park, April 2022, Orlando, FL.

Cain, S. A. *COVID-19: Where are we now, and what happens next?* Oral presentation delivered at Auburn Speaks: The Phillip Lutzenkirchen Public Speaking Competition, March 2021, Auburn, AL.

Cain, S.A. and C.C. Anderson. *Research Experience at Auburn University's School of Forestry and Wildlife Sciences*. Oral presentation delivered at Vestavia Hills High School, November 2018, Vestavia Hills, AL.

Professional Development

Conferences Attended (Not Listed Above)

The Oklahoma Chapter of the Wildlife Society. *Catching Up on Oklahoma Research: 2023 Annual Conference and Business Meeting*. Multiple oral and poster presentations attended in February 2023 in Edmond, OK.

Kentucky Department of Fish and Wildlife Resources. *42nd Annual Meeting of the Southeast Deer Study Group: Deer, It's What's for Dinner*. Multiple oral and poster presentations attended in February 2019 at the annual Southeast Deer Study Group meeting in Louisville, KY.

Workshops

Liu, P. Data and AI at Work: Hands-on Training for AI / LLM Applications for Research. Classroom training attended at North Carolina State University, May 2025. Raleigh, NC.

Bunty, J., Lampereur J., McDaniel, V., Weir, J., and E. Toman. *Fueling Collaboration: Talking about Fire*. Webinar panel attended on Fueling Collaboration Panel Discussion Series website, November 2022. Virtual.

Todd, N. Assistant Vice President for Institutional Diversity at Oklahoma State University. *Leading through the lens of culture, competence, curiosity, and courage at Oklahoma State University*. Natural Resources Ecology and Management Seminar. Oral presentation attended at the Ferguson College of Agriculture at Oklahoma State University, October 2022, Stillwater, OK.

Media Coverage

Paulsen, K. Where Are They Now? Community Issue August 2025. *Clifton Institute*. August 2022. Available from: https://www.rappnews.com/foothills_forum/keeping-up-with-kestrels/article_1a34fedc-1c0c-11ed-b803-ebca16997cf3.html?fbclid=IwAR1quxRJsBrFMEby-FXUZ5Lw8rCKeGVpL0amTaBAZLqgIw9LCK-jMSAv6T8

- My time as a research technician on the American Kestrel Tracking Project with the Smithsonian Conservation Biology Institute was highlighted in the article.

Hurley, B. Keeping up with kestrels. *Rappahannock News*. August 2022. Available from: https://www.rappnews.com/foothills_forum/keeping-up-with-kestrels/article_1a34fedc-1c0c-11ed-b803-ebca16997cf3.html?fbclid=IwAR1quxRJsBrFMEby-FXUZ5Lw8rCKeGVpL0amTaBAZLqgIw9LCK-jMSAv6T8

- Personal photography was used as cover photo for the article.

Wilent, S. NRM Student Profile: Sarah Cain, Auburn University: A Passion for Wildlife Research. *Natural Resources Management Today*. Volume 1, No. 5. December 2021. Available from: <https://www.bluetoad.com/publication/?i=730492&ver=html5>

Tracking Backpacks for Tiny Falcons. *Smithsonian's National Zoo and Conservation Biology Institute*. August 2021. Available from: <https://nationalzoo.si.edu/migratory-birds/news/tracking-backpacks-for-tiny-falcons>

- Personal photography was featured multiple times in article.

Student Research Spotlight: Sarah Cain studies white-tailed deer. *Auburn News*. July 2021. Available from: https://cws.auburn.edu/ovpr/pm/researchsymposia/student/2021Spot_SCain?nlan

Professional Involvement

- Education and Outreach Committee | North Carolina Prescribed Fire Council | August 2025-Present
- Natural Resource Ecology and Management Graduate Student Organization | Oklahoma State University | Ferguson College of Agriculture | August 2022-December 2024
- Forestry, Environment, and Wildlife Leadership Academy | Auburn University | School of Forestry and Wildlife Sciences | November 2019-December 2020
- The Wildlife Society | Oklahoma State University | Department of Natural Resource Ecology and Management | July 2023-December 2023
- The Wildlife Society | Auburn University | School of Forestry and Wildlife Sciences | August 2018-December 2021

Awards and Honors

- Fall 2024 Honorary Graduate Commencement Marshal | Oklahoma State University Ferguson College of Agriculture | December 2024
- Vandiver L. (Buster) Childs Memorial Scholarship | Oklahoma State University Department of Natural Resource Ecology and Management | April 2024
- 3rd Place | Student Research Award | 2024 Oklahoma Chapter of the Wildlife Society Conference | February 2024
- 2023 Fall Graduate and Professional Student Government Association Travel Award | November 2023
- Afanasiev Distinguished Graduate Fellowship in Forestry Award | Oklahoma State University Department of Natural Resource Ecology and Management | April 2023
- Phi Beta Kappa National Honor Society | April 2022
- Student Marshal for Fall 2021 Commencement | Auburn University School of Forestry and Wildlife Sciences | December 2021
- 3rd Place | Auburn Research 2021 Student Symposium | Undergraduate Student Oral Presentations in Science, Technology, Engineering, and Mathematics | April 2021
- Alabama Wildlife Federation David K. Nelson Game Management Award | April 2021
- Semi-Finalist | Auburn Speaks: The Phillip Lutzenkirchen Public Speaking Competition | March 2021
- Auburn University Undergraduate Research Fellowship | Summer 2020-Spring 2021
- Phi Kappa Phi National Honor Society | April 2020
- Westervelt Rising Senior in Wildlife Award | April 2020
- Toomer's Oaks Leadership Endowed Award | March 2020
- James D. Wadsworth Endowed Scholarship | March 2020
- Auburn University Dean's List | Fall 2018, Fall 2019, Spring 2020, Summer 2020, Spring 2021
- Spirit of Auburn Founders Scholarship | August 2018-December 2021
- Girl Scout Gold Award | Girl Scouts of North-Central Alabama | Greater Birmingham Humane Society | April 2018
- Seal of Bilingualism (Spanish) | May 2016

Certifications and Trainings

- Facilitation 101 for Conservation Professionals | June 2025
- Data and AI at Work: Hands-on Training for AI/LLM Applications for Research | May 2025
- Be Smoke Savvy: Training Guide of Best Management Practices for Prescribed Fire Smoke | April 2025
- Firefighter Type 2 (Crewmember) | National Wildfire Coordinating Group | February 2025
- North Carolina Certified Burn Manager | North Carolina Forest Service | January 2025
- Wilderness First Aid | May 2023
- CPR/AED | May 2023
- Social Media Marketing | HubSpot Academy | April 2023
- Hootsuite Platform Training | February 2023
- Alabama Certified Burn Manager | Alabama Forestry Commission | May 2021
- CITI Wildlife Research IACUC Training | September 2018
- Microsoft Office Certification | May 2016