

Leila Aburomia

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EDUCATION

Ecosystem Science and Sustainability Bachelor of Science

Sustainable Water Interdisciplinary Minor

Colorado State University, Fort Collins, Colorado

Expected Graduation: May 2026

GPA: 3.78/4.00

Skills for Undergraduate Participation in Ecological Research Program (SUPER), Colorado State University

August 2023 – May 2024

- Designed, and completed an extensive research project using camera trap data and wildlife occupancy modeling.
- Determined causes of African Elephant Distribution in Kruger National Park, South Africa.
- Worked alongside Derek Fedek, of the Natural Resource Ecology Laboratory at Colorado State University, to advance ecological research skills.
- Presented research at Celebrate Undergraduate Research and Creativity (CURC) conference at CSU.

RELEVANT EXPERIENCE

Lab Research Assistant, Weed Research Laboratory

March 2023 – Current

Colorado State University, Fort Collins, Colorado

- Assist Graduate Students in DNA and RNA extractions to find herbicide resistant genes in agricultural weeds.
- Make Primers and run a PCR reaction to make copies of a specific segment of DNA for further analysis.
- Mastered cleaning seed, transplanting, using a spray chamber, and all maintenance for a research greenhouse.
- Develop professional lab skills through extensive lab work.

Siegele Intern, Colorado Natural Heritage Program & Bird Conservancy of the Rockies

May 2024 – July 2024

Colorado State University, Fort Collins, Colorado

- Worked alongside professionals to gain experience in the field of applied conservation science.
- Conducted vegetation monitoring, post-restoration wetland assessments, and extensive bird surveys.
- Developed interpersonal communication skills with private landowners to preserve healthy ecosystems.

Garden Intern, Colorado Rocky Mountain School

June 2023 – August 2023

Carbondale, Colorado

- Involved in many aspects of a school garden. Helped to plant seedlings and direct seed a large variety of vegetables. Harvested fruit and vegetables for the school kitchen.
- Learned about and worked with invasive species management in agriculture.
- Mastered operation of a complex composting system.
- Educated high school age children about the importance of agriculture with a hands-on approach.

Farm Assistant, Atoms to Apples Orchard LLC

June 2023 – August 2023

Mount Horeb, Wisconsin

- Involved in all aspects of manual orchard work. Helped to plant and train trees, build trellis, weed and thin apple crop.
- Harvested and sold apples and cider at the Madison Westside Farmers Market.

SKILLS

- ArcGIS
- Wildlife occupancy modeling analysis
- Camera trap installation and processing with Timelapse software
- Nocturnal bird broadcast survey methodology
- Navigation with map, compass, and GPS unit
- Nocturnal and grassland bird identification
- Conduct Polymerase Chain Reactions
- DNA and RNA extraction processes
- Natural resource inventory for grazing land: on-site data collection protocols

LEADERSHIP & COMMUNITY ENGAGEMENT

- Ornithology Club Member**, *Warner College of Natural Resources, Colorado State University* Current
- Participate in bird monitoring, tagging, and data collection to improve avian field skills.
- Agricultural Educator**, *Garden Internship, Colorado Rocky Mountain School* June 2023
- Used a hands-on approach to teach high school age children all aspects of managing an organic garden.
 - Acquired initiative leadership skills by organizing a group of high schoolers.
- Student Poll Worker**, *City of Madison, Wisconsin* November 2020
- Registered voters and processed absentee ballots during the 2020 Presidential election.
 - Gained interpersonal communication and collaboration skills by encouraging a community to vote.

VOLUNTEER EXPERIENCE

- Plant Care Volunteer**, *Plant Growth Facilities Conservatory* Current
Colorado State University, Fort Collins, Colorado
- Manage a diverse collection of tropical and subtropical plants through regular watering and trimming.
 - Enhanced attention to detail by carefully tending to sensitive plants.
- Raptor Monitoring**, *The Colorado State University Student Chapter of The Wildlife Society* Current
Colorado Parks and Wildlife, Colorado
- Identify raptors using visual and call identification.
 - Send data to Colorado Parks and Wildlife to inform decisions about land use and recreational changes.
- Meals on Wheels Deliverer**, *SSM Health at Home* April 2020
Madison, Wisconsin
- Delivered hot meals to the physically disadvantaged and elderly community during the Covid 19 pandemic.
 - Improved service skills to better assist individuals in need.

RESEARCH EXPERIENCE

- Mexican Spotted Owl Monitoring Program**, *Bird Conservancy of the Rockies* May 2024
- Worked alongside biologists to conduct nighttime broadcast surveys for threatened Mexican Spotted Owls.
 - Was fully integrated into field work with hands-on experience collecting scientific data.
 - Improved navigational skills in the back country.
- Integrated Monitoring in Bird Conservation Regions (IMBCR)**, *Bird Conservancy of the Rockies* May 2024
- Surveyed grassland birds by visual and call identification within a transect using a protocol.
 - Refined shrubland plant identification by collecting habitat data along transects.
- Bird Banding**, *Pineridge Bird Banding Station, Bird Conservancy of the Rockies* May 2024
- Collected birds from mist nets to obtain data from a body examination.
 - Banded migrating birds in the hopes of collecting data about migration patterns.
- Wetland Restoration Monitoring**, *Bird Conservancy of the Rockies* May 2024
- Monitored amount of invasive and native plants in a post-restoration wetland easement.
 - Enhanced Colorado wetland plant identification by conducting vegetation surveys with biologists.
- Natural Resource Inventory (NRI) Grazing Land On-Site Data Collection**, *USDA* May 2024
- Mastered using NRI protocols to collect data about grazing land use/cover, plant composition and patterns, production, density, and height.
 - Improved data collection skills using specific methodology for identifying, documenting, measuring, and recording grazing land conditions.
 - Enhanced Eastern Colorado grassland plant identification.