Leila Aburomia

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EDUCATION

Ecosystem Science and Sustainability Bachelor of Science   Expected Graduation: May 2026
Sustainable Water Interdisciplinary Minor   *GPA*: 3.74/4.00
Colorado State University, Fort Collins, Colorado

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 reseach at Celebrate Undergraduate Research and Creativity (CURC) conference at CSU.

RELEVENT 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.
- Developed professional lab skills by 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.