

Elizabeth Lang

Phone: 773-595-5095 ~ Email: elizabethlang13@gmail.com

LinkedIN: <https://www.linkedin.com/in/lizzylang/>

Education

Undergraduate - May 2020

Bachelor of Science in Zoology

Minors in Environmental Studies & Political Science

Illinois State University

GPA: 3.52

Masters - Currently

Master of Science in Wildlife Ecology

GIS Graduate Certificate

Iowa State University

Professional Experience

August 2022 - Current

Graduate Research Assistant

Department of Natural Resource Ecology & Management - Iowa State University

March 2022 - August 2022

Biological Science Technician (GS-05)

U.S. Fish & Wildlife Service - Sheldon/Hart Mountain National Wildlife Refuge

- ❖ Worked in remote, high-desert conditions
 - Hiked up to 10 miles across mountainous terrain daily
- ❖ Utilized AVENZA Maps, Field Maps, and Survey 123
- ❖ Set out Camera Traps for Mountain Lions and at Wildlife Guzzlers
 - Identified and inventoried all wildlife photographed
 - Identified and inventoried individual Mountain Lions caught on camera by markings, scars, color patches, etc.
 - Managed Photo Database
 - Created & managed an Excel Database for Camera Deployments & Wildlife Observations
- ❖ Performed Greater Sage Grouse lek surveys
- ❖ Helped deploy Bat detection devices
- ❖ Identified, treated, and removed invasive plants

- Mixed and applied herbicides
- Calibrated UTV tanks & backpacks
- Performed inventory on herbicides and additives
 - Helped compile Safety Data Sheets for these chemicals
- ❖ Performed Bighorn Sheep habitat assessments
 - Identified Western Junipers to age and encroachment level
 - Identified native Great Basin Plants to species
- ❖ Performed Fire Monitoring Habitat Assessments
- ❖ Compiled reports on new management techniques and added suggestions for current survey methods
- ❖ Maintained and operated ATV's, UTV's, trailers, and 4WD Vehicles
- ❖ Checked & repaired barbed/smooth wire fencing
- ❖ Communicated regularly with other Federal employees, the public, hunters, & fisherman

November 2021 - February 2022

Natural Resources/Deer Management Technician

Forest Preserve District of Dupage County - Dupage, IL

- ❖ Responsible for field dressing and tissue sampling White-tailed deer (including CWD sampling)
- ❖ Utilized Field Maps
- ❖ Spotlighted for deer
- ❖ Operated and maintained UTV's and 4WD Vehicles
- ❖ Worked in harsh winter conditions at night

March 2021 - October 2021

MSIM Biological Technician

Iowa State University - Swisher, IA

- ❖ Responsible for population surveys at 15 sites across Southeast Iowa
- ❖ Performed population surveys for mammals (including bats), herpetofauna, birds, odonates, butterflies, mussels, crayfish, and fish
 - Had to correctly identify all taxa above to species
 - Implemented survey methods such as: camera trapping, aquatic trapping, cover board checks, small mammal trapping, visual encounter surveys, track/scat identification, ANABAT monitoring, and electrofishing
 - Responsible for vouchering species (photos & physical)
 - Responsible for entering all survey data into ISU's database
- ❖ Performed water and vegetation surveys
 - Identified Midwest plants & trees to genus and/or species
- ❖ Banded large waterfowl (Geese & Wood Ducks)
- ❖ Operated and maintained 4WD Vehicles

- ❖ Communicated regularly with the public, hunters, and fisherman

May 2020 - August 2020

Herpetology Intern

Student Conservation Association - Laramie, WY

- ❖ Performed both soft and hard release techniques for tadpole and adult Wyoming Toads into native habitats
- ❖ Performed adult, tadpole, egg mass, and breeding surveys
- ❖ Worked with land managers to upkeep habitats
- ❖ Checked Audio Loggers
- ❖ Used Radio Telemetry to track toads
 - Collected chytrid, micro biome, and DNA samples from toads
- ❖ Performed habitat assessments
 - Identified Wyoming plants
- ❖ Operated and maintained 4WD Vehicles

May 2019 - August 2019

Seasonal Wildlife Keeper

Willowbrook Wildlife Center - Glen Ellyn, IL

- ❖ Handled injured and orphaned native wildlife
- ❖ Worked with native endangered and threatened species
- ❖ Provided general husbandry, nutrition, and release procedures
- ❖ Banded small to large birds (including Raptors & Waterfowl)
- ❖ Responsible for maintaining and updating health records
- ❖ Oversaw 15-20 interns and volunteers

February 2019 - May 2019

Intern Zookeeper

Miller Park Zoo - Bloomington, IL

- ❖ Provided general husbandry, nutrition, and enrichment to exotic mammals, herpetofauna, fish, and birds
- ❖ Handled exotic animals
- ❖ Interacted with and educated the public about animals and conservation

May 2018 - August 2018

Intern Wildlife Keeper

Fox Valley Wildlife Center - Elburn, IL

- ❖ Handled injured and orphaned nonnative and native wildlife
- ❖ Performed intake evaluations and administered medications
- ❖ Provided general husbandry, nutrition, and release procedures
- ❖ Responsible for maintaining and updating health record

Misc. Research

Spring 2017

Undergraduate Herpetology Research

Illinois State University Biology Department

- Performed surveys on local salamanders
- Collected DNA samples
- Monitored for possible chytrid (bSal)

Fall 2019

Undergraduate Rainforest Ecology Research

Illinois State University Biology Department/Organization for Tropical Studies in Costa Rica

- Researched and developed an independent research project
- Performed field work with Salticidae in Costa Rica
- Presented on research for students and faculty

Certifications

- AHA First Aid, CPR, & AED
- USFWS ATV/UTV Operator
- NSC Defensive Driver
- IACUC
- AMVA

Relevant Coursework

Illinois State University: Ecology, Evolution Biology, Animal Behavior, Conservation Biology, Rainforest Ecology, Mammalogy, Ornithology, Comparative Vertebrate Zoology, Animal Physiology, Environmental Politics, Environmental Ethics, Environmental Sustainability, Intro to Geographic Information Systems

Harvard edx: Statistics & R-Analysis

Iowa State University: Statistics for Research Workers, GIS for Natural Resource Management, NREM Seminar on Braiding Sweetgrass

Organizations

Founder & President - **Wildlife Conservation Club (Illinois State University)**

- Worked with Biology Department and Illinois State University to establish the club

- Oversaw all club activities and meetings
- Reached out to local organizations for volunteer and education opportunities

Member - **Biological Sciences Student Association (Illinois State University)**

Alumni Recruitment Advisor, VP of Chapter Development, Membership Selection Chair, Panhellenic Circle of Sisterhood Chair, & Jingle Bell Run Chair - **Alpha Omicron Pi Sorority (Illinois State University)**

- Planned events for 100+ women
- Managed a budget of over \$2,000 for two academic years
- Oversaw a committee and led meetings
- Currently advising collegiate VP of Membership of Recruitment

Member - **Order of Omega Honors Society (Illinois State University)**

- Maintained a GPA of >3.5 for two academic years

Member - **UScholars Association (Illinois State University)**

- Maintained a GPA of >3.0 for four academic years
- Mentored underclassman
- Presented on the Conservation Work done by AZA accredited institutions
- Awarded partial tuition coverage for four academic years

Volunteer Activities

January 2020 - March 2020

Volunteer Animal Keeper
Miller Park Zoo - Bloomington, IL

May 2013 - August 2018

Highschool & Adult Volunteer
The Leadershop - LaGrange Park, IL

Awards/Scholarships

AMERICORPS Education Award

University Scholarship - Illinois State University

The LeaderShop Senior Scholarship

PSAI Scholarship

Sol Siegal Scholarship

NREM Graduate Research Assistantship - Iowa State University

Photography Features

Chicago Field Museum

Life in Color Exhibit/Instagram

USFWS Sheldon-Hart Mountain National Wildlife Refuge Complex

2022 Annual Biological Report

2022 Annual BigHorn Sheep Survey

Citizen Science

eBird: <https://ebird.org/profile/MTYxNjU0NQ>

iNaturalist: <https://www.inaturalist.org/people/emlang1>