

Cassie Stitzman

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Education

**Bachelors of Fisheries & Wildlife Management from
Northern Michigan University, Marquette, MI.
Concentration: Wildlife
GPA: 3.3**

August 2021 –December 2024

**Associates in Science from Schoolcraft College, Livonia, MI.
GPA: 3.2**

August 2017 - May 2020

**Redford Union High School, Redford, MI.
GPA: 4.0**

September 2013- June 2017

Relevant Coursework

Principles of Ecology
Physics (I & II)
Parasitology

Principles of Evolution
Genetics for Natural Resources
Probability and Statistics

General Chemistry (I & II)
Conservation Biology
Ornithology

Research Experience

Northern Michigan University, McNair Scholars Undergraduate Researcher

May 2023- Present

- Assessed mesocarnivore diversity at bat hibernaculum entrances
- Developed own research question and analyzed camera trap data

Northern Michigan University, Galbreath Lab Undergraduate Researcher

January 2023- Present

- Flea identification by assessing morphological characteristics
- Extract DNA from specimens

**Northern Michigan University, Wildlife Ecology and Conservation Science
Research Technician**

March 2022- Present

- Assist in data collection and camera trap set up for Yooper Wildlife Watch
- Analyze camera trap data
- Eastern gray squirrel surveys
- Analyzed iNaturalist data for *Laura Whipple*, graduate student, on red fox and fisher

Work Experience

Biology Department, NMU, Marquette, MI– Biology Stockroom Assistant

January 2022 – April 2023

- Prepare supplies for upcoming labs and check in supplies from previous labs
- Properly stock supplies and ensure needed supplies are documented

McDonald's, Marquette, MI. – Crew Member

November 2021 - Present

- Take orders ensuring accuracy and provide excellent customer service

in a fast-paced environment

- Prepare various beverages, desserts, and sides
- Organize orders correctly in appropriate bags prior to distribution
- Follow opening procedures

Oakland Township Parks & Recreation, Rochester, MI. – Stewardship Technician *May 2022 – August 2022*

- Lake monitoring to assess water quality of park lakes
- Photo monitoring to assess habitat change over time
- Plant surveys
- Use of ArcGISFieldMaps
- Removal of invasive plants, including garlic mustard, narrowleaf cattail, and oriental bittersweet with appropriate methods
- Follow OSHA procedures when using herbicides and understand Material Safety Data Sheets (MSDS)
- Eastern Massasauga Rattlesnake survey with Michigan Natural Features Inventory (MNFI)
- Community outreach through bird walks, special events, and social media
- Ability to coordinate as a team maximizing productivity on multiple projects
- Park maintenance with power tools

Dean of Students Office, NMU, Marquette, MI. – Office Assistant *September 2021 – April 2022*

- Assist in the withdrawal process, directory, and filing
- Understand the uses of office phone

4-Legged Friends, Livonia, MI- Kennel Care *June 2019- August 2021*

- Prep and distribute medicine/food to cats and dogs when needed, ensuring prep/distribution is logged
- Assist in nail trims and baths for canines
- Clean and check kennels, cat rooms, and cat cabins

4-Legged Friends, Livonia, MI. – Daycare Attendant *December 2018 - August 2021*

- Understand canine body language
- Independently supervise 15-30 diverse dogs in one environment
- Work as a team with other attendants to ensure the safety of all dogs in group room
- Take various notes on individual dogs in regards to behavior, well-being, and interactions with other dogs
- Properly handle high-stress situations ranging from scuffles to seizures

Busch's Fresh Food Market, Farmington, MI. – Cashier *December 2020- July 2021*

- Handling customer payments, distribute change and receipts
- Memorizations of PLUs of products
- Bagged orders in an organized fashion for in person and online orders
- Proper interaction and resolving conflict with controversial customers

Value Center Marketplace, Livonia, MI. – Cashier *May 2017 - December 2018*

- Responsibility of handling customer payments
- Memorizations of several PLU codes
- Bagged orders accordingly in fair practice
- Provide phenomenal customers service

Posters

April 2023: The Activity Patterns of a Common Mesocarnivore in Urban and Rural Systems

- Assessed northern raccoon activity patterns in rural and urban landscapes

April 2023: Effects of Urbanization on the Relative Abundances of an Apex Predator and Mesocarnivore and its Implications

Co-Authors: *Sydney Romps, Tarah Gates, Miranda Miller, Bre Ireland, Nessa Weld*

- Analyzed the relative abundance of black bear and northern raccoon in urban and rural landscapes

April 2023: An Assessment of Flea Diversity in Pikas of Mongolia and North America

Co-Authors: *Hannah Blank, Hilary Rinsland, Kurt Galbreath*

- Assessed morphological characteristics of fleas in North American and Mongolia using novel methods

April 2022 Imminent Environmental Impacts of the Superior Rocket Launch Site

Co-Authors: *Trinity Hinshaw, Morgan Halley-Gluesing, and Kobi Voelker*

- Literature analysis on the potential consequences of rocket launch activity in Marquette, MI, which was presented at the Celebration of Student Scholarship

November 2021 The activity patterns of the *S. scrofa*, *O. virginianus*, and *C. latrans*

- Studied the activity patterns of Wild Boar, White-Tailed Deer, and Coyote eMammal data, which was presented at The Snapshot USA Symposium

Professional Development

Genetics Laboratory Volunteer; Michigan DNR- Species Management Unit

June- August 2023

- Maintain detailed records of various biological samples
- Follow laboratory protocols and procedures effectively
- Work on state-wide population survey for black bear hair snares and genetic Genetic sexing of harvested bobcat
- Perform PCR utilizing capillary electrophoresis

Conservation Data Lab

September 2022

- Developed raster maps in ArcGISPro for U.S. National Parks in Mississippi

Northern Michigan University, Northern Michigan University Zoology Museum

September 2022

- Assisted *Dr. Galbreath*, Professor, in small mammal trapping setup with mouse traps, retrieved trap as well as GPS marked traps with caught specimen
- Assisted in prepping captured small mammals for Northern Michigan University Zoology Museum
- Located and identified various ectoparasites and endoparasites
- Assist in skin patching for porcupine specimen

Northern Michigan University, Biology Department and Superior Watershed Partnership

March 2022

- Assisted in blue-spotted salamander survey during migration for long-term project

The 82nd Midwest Fish and Wildlife Conference

February 2022

- Attended the Beginner/Intermediate GIS for Fish and Wildlife Biologists Workshop

Northern Michigan University, Biology Department

November 2021

- Assisted *Dr. Gerig*, Assistant Professor in electroshocking workshop
- Netted fish appropriately for data collection before re-release

Michigan DNR Bear Check Station, Marquette Field Office

September 2021

- Assisted *Caleb Eckloff*, MI DNR Wildlife Technician
- Collected information from hunters

- Extracted tooth, rib, tissue, and hair samples

Volunteer Experience

Zooniverse- Citizen Scientist

September 2019 - Present

- Classification of wildlife through camera trap data
- Communicate with other citizen scientists on Zooniverse platform
- Effectively use Zooniverse tools and assist in various projects

The Creature Conservancy, Ann Arbor- Volunteer

March 2021 - June 2021

- Ensuring that volunteer-assigned wildlife have clean water, feed, and also doing so in a way that respects the animals' boundaries, ensuring that they are comfortable with someone in their enclosure and presence
- Initialed a booklet when assignments were completed, allowing communication amongst staff and volunteers towards completed tasks

Detroit Zoological Society, Royal Oak - Volunteer

June 2019 - August 2019

- Educate guests on animals in assigned exhibits and answering questions
- Greeted guests and informed them on any rules upon entering exhibit
- Trained in following procedures and using a walkie

Tailwaggers 1990, Livonia – Volunteer

June 2018 - May 2019

- Assisting in pet care for cats
- Made appointments for clients on Infinity computer program
- Assisted in various fundraisers

Awards

Ocelot Book Fund (2018) - Assistance in textbook expenses

NMU Wildcat Transfer Achievement Scholarship (2021) - Assistance in tuition

Finalist for 2022 Janice Lee Fenske Memorial Award (2022) - Recognition in achievements

Certifications and Skills

Valid Driver's License

Common Wetland Plants Identification Certification

CPR/First Aid Certification

Commercial Pesticide Applicator Certification

Animal husbandry with mammals and birds

Adobe Software (InDesign, Illustrator, Photoshop)

Camera Trap Assembly

Animal ID on camera traps

Can work independently and with others

Electroshocking experience

Maintains positive attitude in challenging field conditions

Comfortable hiking long distances on tough terrain

COVID-Vaccinated

GIS Workshop

Professional Affiliations

Fisheries and Wildlife Association- President

September 2022- Present

Fisheries and Wildlife Association- Secretary

September 2022- Present

The Wildlife Society- Member

September 2022- Present

Conservation Data Lab- Member

September 2022- Present

The Wildlife Society- Member

September 2022- Present

Wildlife Ecology and Conservation Science (WECOS) Volunteer

March 2022-Present