


# Jordan Ellison

Cell: (310) 740-5059  
jte1@nmsu.edu

---

## Education

[jellison8640.github.io/site/](https://jellison8640.github.io/site/)

M.S. in Fish, Wildlife and Conservation Ecology — Expected Graduation May 2023  @j\_ellison10  
New Mexico State University — Las Cruces, NM

Thesis: “Impacts of Passive Relocation on the Dispersal, Survival and Reproduction of Burrowing Owls (*Athene cunicularia*) Across a Heterogenous Landscape”

B.A. with Distinction in Organismal Biology & Ecology — May 2019

Colorado College — Colorado Springs, CO

Senior Thesis: “The Rodent Eats the Raptor: Impacts of Red Squirrels (*Tamiasciurus hudsonicus*) on Flammulated Owl (*Psilosops flammeolus*) Nest Success and Habitat Selection”

---

## Research Experience

Waterbird Monitoring Program Conservation Intern — January 2020-June 2020

Bahía de Kino, Sonora, Mexico — Prescott College Kino Bay Center

- Completed standardized surveys to monitor the status of waterbirds in the region
- Analyzed long-term data from consistent survey and nest monitoring efforts
- Collaborated with other internal community and conservation programs (Marine Mammal Monitoring, Environmental Education, etc.)

Fall Raptor Migration Technician — August 2019-October 2019

Chelan, WA — HawkWatch International

- Identified and counted migrating diurnal raptors in-flight
- Trapped raptors using lure birds and mist nets, Dho-ghazza nets and bow nets
- Presented raptors-in-hand to teach visiting college students and members of the general public about raptor ecology and conservation
- 24 raptors banded, several more handled

Field Research Assistant — Summers 2017-2019

Colorado Springs, CO — Colorado College Department of Organismal Biology & Ecology

- Searched for and monitored Flammulated Owl nests across four study areas
- Captured, handled and processed adults and nestlings
- Mentored and taught field skills to new technicians as crew lead in 2019
- ~60 owls banded, ~30 blood samples taken, 7 GPS tags attached (backpack method)

Volunteer Banding Assistant— Summers 2018-2019

Woodland Park, CO — Institute for Bird Populations MAPS Program Banding Station

- Assisted in mist-netting and processing of songbirds
- ~20 songbirds banded and extracted from mist nets

GIS Lab Technician — August 2017-May 2019

Colorado Springs, CO — Colorado College Office of Information Technology

- Troubleshoot and problem solved to teach students basic to advanced geospatial skills
- Created, analyzed and managed large vector and raster datasets
- Communicated and visualized geographical information across various disciplines
- Prepared workflows and labs, as well performed demonstrations for classes

Senior Thesis — Fall 2018-Spring 2019

- Completed distance sampling along line transects to estimate Red Squirrel density

- Detected Red Squirrels using visual and auditory observations
  - Used R to analyze a large dataset associated with a long-term ecological study on Flammulated Owl
- 

## Teaching Experience

Program Assistant — October 2019-December 2019

Costa Rica and Belize — Colorado College Fall Semester Away Program

- Helped plan and supervise daily lessons and activities for an introductory tropical ecology course
- Communicated biological and ecological themes and theories to first-year students
- Found and identified a variety of plants, birds, insects, fish and other animals in tropical forests and coral reefs

Student Tutor — Fall 2017

Colorado Springs, CO — Colorado College Department of Organismal Biology & Ecology

- Conducted review sessions with an introductory ecology class and worked individually with students
- 

## Conference Presentations

**Ellison, J.T.** and Linkhart, B.D, Effect of Nest Predation on Nest Site Selection of Flammulated Owls (*Psiloscops flammeolus*). Poster Presentation at 2020 North American Ornithological Conference, Virtual. August 2020.

**Ellison, J.T.** and Linkhart, B.D, The Rodent Eats the Raptor. Oral Presentation at Colorado College's annual Organismal Biology and Ecology meeting. Colorado Springs, CO. March 2019.

**Ellison, J.T.** and Linkhart, B.D, Does risk of predation affect nest site selection of Flammulated Owls (*Psiloscops flammeolus*)? Poster Presentation at Midstates Undergraduate Research Symposium, University of Chicago, Chicago, IL. November 2018.

**Ellison, J.T.** and Linkhart, B.D, How does proximity to predator activity centers affect nest site and success in Flammulated Owls (*Psiloscops flammeolus*)? Poster Presentation at GIS in the Rockies, Geospatial Conference of the Rocky Mountain West, Denver, CO. September 2018.

**Ellison, J.T.** and Linkhart, B.D, How does proximity to predator activity centers affect nest site and success in Flammulated Owls (*Psiloscops flammeolus*)? Poster Presentation at Colorado Springs Undergraduate Research Forum (CSURF), Colorado Springs, CO. April 2018.

Dorwart, L.D., **Ellison, J.T.**, Linkhart, B.D, Stein, E.S., Environmental and ecological impacts of Flammulated Owls (*Psiloscops flammeolus*) in the Pikes Peak Region. Poster Presentation at Summer Collaborative Research Symposium, Colorado Springs, CO. September 2017.

---

## Awards

Gratis Membership, American Ornithological Society (AOS) — September 2020

Awarded in place of NAOC 2020 travel award in support of Diversity and Inclusion

Student Membership Award Recipient, American Ornithological Society (AOS) — January 2020

The Jim Enderson Award in Conservation Biology, Colorado College Dept. of Organismal Biology & Ecology — May 2019

This award in honor of Professor Jim Enderson is awarded to a student who has shown commitment and productivity in an original research project in conservation biology.

---

---

## Skills

- Safely capture, handle and process diurnal raptors, small owls and songbirds
- Identify North American birds by sight and sound
- Identify various herbs, shrubs, and trees found in Western North America
- Apply statistics to answer biological questions
- Proficient with R to manipulate, analyze and visualize data
- Work efficiently with Geographic Information Systems (GIS) using ESRI Products
- Functional knowledge to work with and analyze spatial data in R
- Proficient in Microsoft Office in English and Spanish
- Fluency in speaking and writing Spanish

---

## Scientific Communication Presentations

“The Life of a Professional Bird Nerd” — Women in Stem Lecture Series - Oyster Adams Bilingual Middle School in Washington, D.C. — March 2021  
Presentation on my work and career path to a middle school Women in STEM club

---

## Workshops

Telemetry Skills Workshop – NMSU Women of Wildlife (WOW) — April 2021

Assist in teaching small groups of undergraduate students the basics of radio telemetry

GIS in R – NMSU FWCE Graduate Student Organization — April 2021

Presented on the following topics: Processing and analyzing LiDAR data in R, generating NDVI raster from LANDSAT imagery, and how to create an inset map

---

## Mentorship Experience

ENHANCEMENT (Enhancing Hispanic Access to Natural Resource and Agricultural Careers through Education, Mentorship, and Training) – NMSU College of Agricultural, Consumer and Environmental Sciences — Spring 2021 - Present

Graduate student mentor in which we help engage Hispanic/Latinx undergraduate in 2-year and 4-year programs

NMSU Women of Wildlife (WOW) — Spring 2021 – Present

Assist in leading and organizing events to engage undergraduate students such as through skills workshops and nature walks

---

## Professional Affiliations

American Ornithological Society (AOS)

Raptor Research Foundation (RRF)

Society Advancing Chicanos/Hispanics & Native Americans in Science (SACNAS)

---

## Professional Development

Diversity Preview Weekend Participant, Cornell University — September 2020

Depts. of Ecology & Evolutionary Biology and Entomology, and School of Integrative Plant Sciences

Invited Workshop Participant, PROGRESS (PROmoting Geoscience Research, Education and SucesS) — October 2016

---

---

## Other Work Experience

Student Photographer — August 2018-May 2019; August 2016-May 2017

Colorado Springs, CO — Colorado College Office of Communications

- Photographed school events, activities and daily life for print and online publications

Resident Advisor — August 2017-May 2018

Colorado Springs, CO — Colorado College Office of Residential Life and Activities

- Built an inclusive community supporting 23 first- and second-year students in a large residence hall

Tour Guide — September 2016-September 2017

Colorado Springs, CO — Colorado College Office of Admissions

- Represented Colorado College while providing campus tours to prospective students and parents

Painting Intern — Summer 2016

Colorado Springs, CO — Leiser Painting

- Prepped and painted the interior/exterior of residential and commercial properties

---

**\*References available upon request.**

---