

Jordan Ellison


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Education

jellison8640.github.io/site/

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

 @j_ellison10

Colorado College — Colorado Springs, CO

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

Research and Work Experience

Conservation Internship with Waterbird Monitoring Program — January 2020-Present

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

- Complete standardized surveys to monitor the status of waterbirds in the region
- Analyze long-term data from regular survey and nest monitoring efforts
- Collaborate with other internal community and conservation programs

Program Assistant — October 2019-December 2019

Costa Rica and Belize—Colorado College FSA Program

- Communicate biological and ecological themes and theories to first-year students
- Find and identify a variety of plants, birds, insects and other animals in tropical forests
- Help plan and supervise daily lessons and activities

Fall Raptor Migration Technician — August 2019-October 2019

Chelan, WA—HawkWatch International

- Identify and count migrating diurnal raptors in-flight
- Trap raptors using lure birds and mist nets, Dho-ghazza nets and bow nets
- Effectively engage visitors regarding raptor biology, 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

- Search for and monitor Flammulated Owl nests across four study areas
- Capture, handle and process adults and nestlings
- Mentor and teach field skills to new technicians as crew lead in 2019
- ~60 owls banded, ~30 bled, 7 GPS tags attached (backpack method)

GIS Lab Technician — August 2017-May 2019

Colorado Springs, CO—Colorado College Office of Information Technology

- Troubleshoot and problem solve to teach students basic to advanced skills
- Create, analyze and manage large vector and raster datasets
- Communicate and visualize geographical information across various disciplines
- Prepare workflows and labs, as well perform demonstrations for classes

Senior Thesis — Fall 2018-Spring 2019

- Complete distance sampling along line transects to estimate Red Squirrel density
- Detect Red Squirrels using visual and auditory observations
- Analyze a large dataset associated with a long-term ecological study on Flammulated Owls

Presentations

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 (*Psiloscoops flammeolus*)?* Poster Presentation at Midstates Undergraduate Research Symposia, 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 (*Psiloscoops 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 (*Psiloscoops 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 (*Psiloscoops flammeolus*) in the Pikes Peak Region.* Poster Presentation at Summer Collaborative Research Symposium, Colorado Springs, CO September 2017.

Technical and Linguistic Skills

- Proficient with using R to manipulate, analyze and visualize data
- Work effectively with Geographic Information Systems (GIS) using ESRI products and R
- Use of statistics to answer biological questions
- Microsoft Office in English/Spanish
- Fluent in Spanish

Field Skills

- Safely capture and handle diurnal raptors, small owls and songbirds
- Use handheld GPS units for navigation and data collection
- Identify North/Central American birds by sight and sound
- Identify various herbs, shrubs, and trees found in Western North American
- Work independently in the field

Awards and Activities

Invited to 2020 Diversity Preview Weekend, Cornell University EEB Dept. — *Postponed*
Event moved to August 2020 due to COVID-19.

The 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.

Volunteer Banding Assistant, IBP MAPS station, Woodland Park, CO — *Summers 2018, 2019*

Assist in data collection and processing of songbirds. ~20 songbirds banded and extracted from mist nets.

Student Tutor Colorado College Dept. of Organismal Biology & Ecology — *Fall 2018*

Conducted review sessions with introductory ecology class and worked individually with students.

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

Workshop associated with NSF-funded undergraduate Womxn in STEM mentorship program.