

Jordan Ellison

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Education

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 (*Psiloscops flammeolus*) Nest Success and Habitat Selection"

jellison8640.github.io/site/

Twitter: @j_ellison10

Research and Work Experience

Waterbird Monitoring Program Conservation Internship — January 2020-June 2020

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 consistent 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

- Help plan and supervise daily lessons and activities
- 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

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
- Use R to analyze a large dataset associated with a long-term ecological study on Flammulated Owls

Skills

- Safely capture, handle and process diurnal raptors, small owls and songbirds
- Proficient with R to manipulate, analyze and visualize data
- Apply statistics to answer biological questions

- Work effectively with Geographic Information Systems (GIS) using ESRI Products and R
 - Proficient in Microsoft Office in English and Spanish
 - Identify North American birds by sight and sound
 - Identify various herbs, shrubs, and trees found in Western North America
 - Fluency in speaking and writing Spanish
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Conference Presentations

- Ellison, J.T.** and Linkhart, B.D, Effect of Nest Predation on Flammulated Owl (*Psiloscops flammeolus*) Nest Site Selection. Poster Presentation at 2020 North American Ornithological Conference. *Abstract Accepted. Virtual Event Anticipated in 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 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 (*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.
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Awards and Activities

- Invited to 2020 Diversity Preview Weekend, Cornell University EEB Dept. — *Postponed*
Event moved to August 2020 due to COVID-19.
- 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.
- 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 an introductory ecology class and worked individually with students.
- Invited Workshop Participant, PROGRESS (PROmoting Geoscience Research, Education and SucesS) — October 2016
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Professional Affiliations

- American Ornithological Society (AOS) — Since January 2020
- Society Advancing Chicanos/Hispanics & Native Americans in Science (SACNAS) — Since May 2020
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