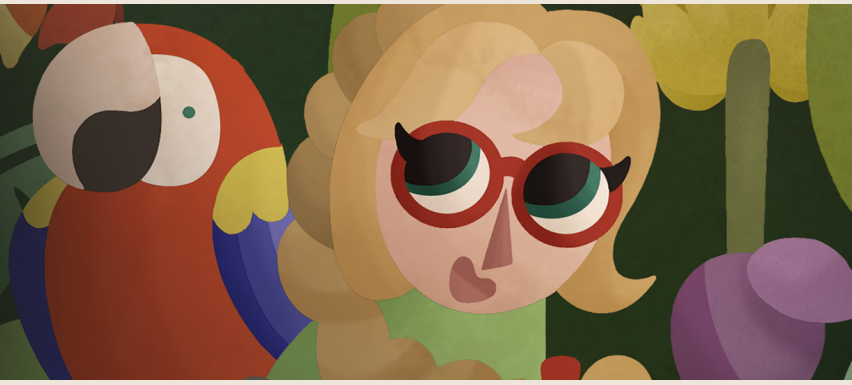


V. Darby Moore

2482 Abbey Way
Florence, SC 29501

vdarbymoore@gmail.com

(843) 601-3981



Education

PhD University of Cincinnati, Cincinnati, OH (2023-Present)

Honors:

- Recipient of the National Science Foundation's Graduate Research Fellowship

BS Furman University, Greenville, SC (2013-2017)

GPA: 3.43

Honors:

- Dean's List every semester of attendance
- Graduated Cum Laude

Professional Appointments

Field Technician, Hobson Lab at University of Cincinnati (Feb 2022- August 2022)

- The lab's parakeet project focuses on the development of complex social structures in monk parakeets, how affiliative and agonistic relationships are formed, and how these relationships influence the behavior and decision-making of individual birds.
- I worked as a field technician conducting daily ethograms using both scan and focal sampling methods to record individual-individual behavioral interactions in order to understand the formation of dominance hierarchy and affiliative and agonistic relationships between flock members.
- I developed an independent research project to determine how foraging order corresponds to individual monk parakeets social rank within the flock.

Wildlife Technician, Wildlife Carolina (June 2021- Dec 2021)

- Wildlife Carolina is an ecotourism and conservation organization that uses behavioral information to provide guest encounters with the wildlife of coastal North Carolina.
- My daily responsibilities included collecting and analyzing data on the foraging behavior and location of American black bears, bald eagles, waterfowl, kingfishers, and river otters using focal sampling methods and camera trapping techniques. I also led tour groups to observe and photograph target species.
- I led behavioral research projects to inform the company's ecotourism initiatives, most notably research on the effects of weather conditions and ambient environmental noise on the behavior of habituated American black bears at known feeding locations (the results are not published as they are covered under NDA).

Aviary Intern, Zoo Tampa (Jan 2021- May 2021)

- I performed husbandry, healthcare, and enrichment tasks for Zoo Tampa's extensive avian collection including waterfowl, shorebirds, passerines, penguins, hornbills, shoebills, parrots, cranes, and raptors as well as several reptile and mammal species.

Seasonal Keeper, Sylvan Heights Bird Park (July 2020- Nov 2020)

- At Sylvan Heights Bird Park, I provided healthcare, husbandry, and enrichment for a collection of over 2500 birds on exhibit including waterfowl, shorebirds, passerines, hornbills, parrots, cranes, ratites, hummingbirds and raptors from across the globe.
- At Sylvan Heights Waterfowl Breeding Center, I provided healthcare, husbandry, and enrichment for a large breeding collection of waterfowl, cranes, galliformes, and shorebirds (breeding collection includes endangered and critically endangered species).

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Professional Appointments

Captive Breeding Manager, Macaw Recovery Network (Jan 2019- May 2020)

- I was responsible for managing the husbandry, healthcare, and reproduction of a collection of 100+ scarlet and great green macaws in keeping with best practice standards.
- I developed innovative breeding strategies that increased the number of viable chicks by 260% compared to the previous year by diagnosing egg fertility issues, developing an artificial incubation program to increase hatch rate, modifying nesting conditions in captivity, and formulating a new breeding diet to maximize nesting success.
- In addition to managing the breeding program, I trained and managed a team of staff and volunteers to perform daily husbandry.

Aviculture Intern, Keauhou Bird Conservation Center (May 2018- Nov 2018)

- As an intern, I provided healthcare, husbandry, enrichment, and pre-release training for a collection of 100+ critically endangered corvids and passerines native to the Hawaiian Islands.
- I assisted the field team at Pu'u Mali release site by participating in post-release monitoring and research initiatives.
- I also served as a research assistant for PhD students from University of Hawaii at Hilo. I collected vocalization data for two projects: one to quantify differences in vocalization richness between wild and captive palila flocks and another to evaluate the maintenance of survival-critical vocalizations (including alarm calls and territorial calls) in captive-bred 'alala crows.

Field Technician, Yellowhead Project (Mar 2018- April 2018)

- I supported PhD candidate Fabio Tarazona and team in monitoring yellow-headed amazon nests and assessing the impact of poaching, high temperatures, predation, and various other stressors on reproductive success.

Wildlife Rehabilitator, Belize Bird Rescue (May 2017- July 2017)

- I was responsible for hand-rearing endangered yellow-headed amazon, red-lored amazon, yellow-lored amazon, and white-fronted amazon chicks for release.
- I also aided in rehabilitating and releasing parrots, songbirds, raptors, seabirds, toucans, and galliformes.

Other Positions

Graphic Designer and Scientific Illustrator (2013- Present)

I created graphics, logos, supplemental scientific illustrations, and advertising materials for a multiple conservation organizations including Belize Bird Rescue, Macaw Recovery Network, Clarissa Falls, Mabula Ground Hornbill Project, Para La Tierra, the Hobson Lab at University of Cincinnati, and other academic institutions.

Lead Graphic Designer, Weird and Wild Animal (WAWA) Conservation (2020-2021)

WAWA Conservation's purpose is to increase awareness and provide funding for conservation projects benefiting less conventionally charismatic species. I developed the organization's brand manual, logo and variations, merchandise, and website design.

Publications

van der Marel, A., X. Francis, C. L. O'Connell, C. O. Estien, C. Carminito, **V. D. Moore**, N. P. Lormand, M. B. Kluever, E. A. Hobson. Perturbations highlight importance of social history in parakeet rank dynamics. *In review for Behavioral Ecology*.

In Prep:

Moore, V. D., N. P. Lormand, A. van der Marel, C. L. O'Connell, C. Carminito, X. Francis, E. A. Hobson. Testing for an association between foraging behavior and social rank in parakeet groups. *In prep, intended for Animal Behavior and Cognition*.

Media

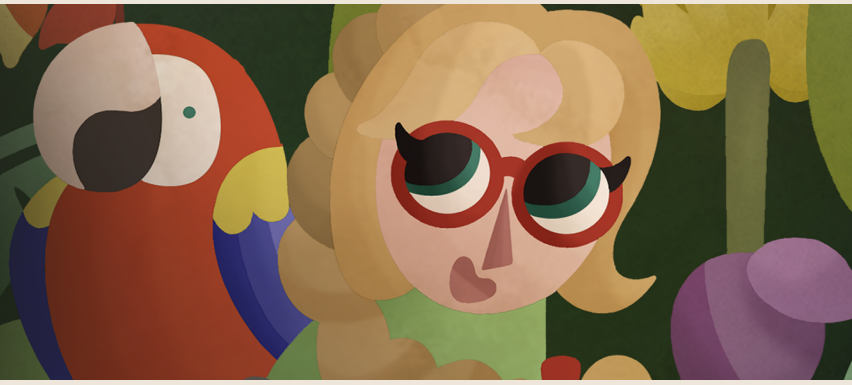
Ferdinand, V., E. Pattenden, D. Brightsmith, E. A. Hobson. Inferring and identifying features underlying association preferences in mixed species parrot groups. **Figure Illustrations by V. D. Moore**. *In review for EcoEvoRxiv*.

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Presentations

Posters:

Moore, V. D., N. P. Lormand, A. van der Marel, C. L. O'Connell, C. Carminito, X. Francis, E. A. Hobson. Testing for an association between foraging behavior and social rank in parakeet groups.

Talks:

Moore, V. D., Avian Medicine. March 2020. Conservation Leader's Week Conference. Macaw Recovery Network, Punta Islita, Costa Rica.

Moore, V. D., Captive Breeding of Macaws for Release. August 2019. Baby Warm Rehabilitation Workshop. Toucan Rescue Ranch, San Josecito, Costa Rica.

Moore, V. D., Avian Medicine. March 2019. Conservation Leader's Week Conference. Macaw Recovery Network, Punta Islita, Costa Rica.

Fellowships & Grants

Fellowships:

- Graduate Research Fellowship (\$102,000+ tuition/fees), *National Science Foundation*
- Hollingsworth Scholarship (\$140,000), *Furman University*
- Palmetto Fellowship (\$36,700), *South Carolina Commission on Higher Education*
- Summer Internship Fellowship (\$3,000), *Furman University*

Grants:

- Liz Glassco Hudson Memorial Grant (\$1000), *International Wild Waterfowl Association*

Travel Awards:

- Student Travel Award (\$500), *Ornithological Conference of the Americas*

Training & Skills

Computational Skills:

RStudio, RShiny, Raven, Animal Observer, BORIS, Excel, Adobe Creative Suite, 3-D Modelling Software (Blender and Sketchup), Species360

Field Skills:

Avian handling and captive animal care (100+ avian species), mist netting, stainless steel banding (nestlings and adults), tree climbing, radio telemetry, GPS navigation (Garmin), camera trapping, using Marantz recording equipment, using binoculars and scope for colored band resighting, comfortable working in remote tropical environments

Captive Breeding Skills:

Avian handling and captive animal care (100+ avian species), Studbook management, syringe and gavage hand-rearing, fecal parasite screening and identification, prescription and administration of medication (subdermal, intramuscular, oral, topical) in parrots, avian nutrition, artificial nest box design and construction, aviary design and construction, artificial incubation, egg candling and dissection, operant conditioning for predator and human aversion training in release birds, operant conditioning for veterinary handling (presentation of feet and wings, scale training) for captive collection, training and education of volunteers and staff members

Other Skills:

Scientific and technical illustration, graphic design, proficiency with power tools and hand tools, basic carpentry, large-scale rainwater collection and treatment, solar panel installation and maintenance, experience driving manual vehicles (truck and ATVs) in hazardous conditions

Languages:

English (native speaker), Spanish (advanced), Portuguese (elementary)