

Micah Miles

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Education

Ph.D, Integrative Conservation: Forestry

University of Georgia

Anticipated 2021

M.S., Forestry and Natural Resources: Wildlife Ecology

University of Georgia

GPA:3.83

May 2019

Thesis Title: *Herpetofaunal distribution patterns in the urban protected area of the Santa Monica Mountains National Recreation Area*

Committee Members: John C Maerz, Kathleen S Delaney, and Brian Irwin

B.S., Environmental Science and Policy: Wildlife Concentration

University of Maryland: College Park

GPA: 3.71

May 2014

Research Experience

Graduate Research Assistant, University of Georgia

June 2015 – present

- Surveyed various SE American ecosystems for herpetofauna including salamanders, frogs, and snakes
- Assisted PIs in conducting experiments and maintaining live animals, including capture-release rearing
- Collected urban environmental data during an independent field season in the Santa Monica Mountains

Wildlife Intern, Santa Monica Mountains National Recreational Area

August 2014 - Feb 2015

- Handled and processed reptiles, amphibians, invertebrates and small mammals through pitfall trapping
- Conducted stream surveys for breeding amphibians and invertebrates
- Assisted with camera trap maintenance, scat collection, and urban bobcat telemetry

Research Assistant, Smithsonian Marine Station, Ft. Pierce Florida

June 2013 – August 2013

- Assisted in field study and sample collection of mangrove stands and salt marshes
- Processed insect and plant samples and conducted data entry
- Conducted an independent research project on anole predation and trophic interactions in mangrove forests

Research Assistant, Wilkinson Lab, University of Maryland

August 2012 – December 2013

- Observed and recorded feeding behavior for evidence of a dominance hierarchy in captive vampire bats
- Scored digital footage of vampire bat behavior and produced research paper on Inter-Observer Reliability
- Processed data and prepared trials for research projects conducted

Animal Care Tech, Auditory Neuroethology Lab, University of Maryland

May - December 2012

- Fed and maintained over 70 bats belonging to 3 different species
- Serviced bat care areas and communicated subjects' needs and statistics to researchers
- Administered veterinary care to specific bats

Outreach and Teaching Experience

Statewide Forest Buffer Outreach Specialist, Maryland Forest Service

Spring 2019

- Designed and implemented outreach strategy for state riparian forest buffer project
- Promoted adoption and maintenance of new and existing buffers among landowners and stakeholders

Crafting Your Narrative, Integrative Conservation Conference Workshop

September 2018

- Assisted development and presentation of a storytelling workshop for conservation professionals
- Lead participants through learning and practice activities for reshaping conservation issues into narrative-

- based communications and ‘elevator pitches’
- STEMzone, EcoReach + ICON collaboration** Fall 2017, 2018
- Organized and operated educational tables during University of Georgia football games
 - Introduced visitors to concepts of integrative ecology and urban wildlife; engaged visitors of all ages
- K-12 Lesson Planning for Researchers, Sci-Ren Workshop Series** Fall 2017
- Learned and developed K-12 lesson plans based on personal research interests
 - Presented learning objectives and overall plans to public and private educators and submitted copies to online open-access servers for teachers abroad
- Meet-a-Herp Booth, West Broad Garden Farmers Market** Fall 2016
- Operated a stand presenting outreach collection animals to market-goers
 - Engaged visitors about the ecology and conservation of native reptiles and amphibians found locally
- Science-In-the-Classroom Volunteer, Clarke Middle School** October 2015 – April 2016
- Developed monthly experiments tailored to 7th grade life sciences curriculum
 - Presented biweekly lessons and associated experiments to two classes of 7th graders

Grants and Funding

- Mary Francis Early Scholarship, Graduate and Professional Scholars** 2016
- Graduate Research Fellowship, National Science Foundation** 2016
- Graduate Recruitment Opportunity Assistantship, University of Georgia** 2015

Conferences and Presentations

- Symposium on Integrative Research, Highlights from the Field** January 2019
- Herpetofauna and Civic Ecology – Case Studies on Conservation Impact
- Ecological Society of America Conference, Late and Late-Breaking Posters** August 2018
- Urban Reptile and Amphibian Distribution Patterns in the Santa Monica Mountains*
- International Urban Wildlife Conference** August 2017
- Reptile and Amphibian Distributions in the Santa Monica Mountains National Recreation Area*
- Graduate and Professional Student Association IRIS Conference** March 2017
- Distribution of reptiles and amphibians in the urban protected area of SAMO*
- Warnell Graduate Student Symposium** February 2017
- Herpetofaunal distribution in the urban protected area of the Santa Monica Mountains*
- MD-DE Wildlife Society Chapter Meeting, Poster Session** September 2013
- Effects of anole exclusion on herbivory of *A. germinans*
- Fish and Wildlife Conservation Career Symposium** January 2013

Community Involvement

- Clarke County Public School Mentor October 2016 - Present
- Athens Clarke County Library Store Volunteer 2017
- Graduate and Professional Scholars, Community Service Chair August – December 2017
- Sandy Creek Nature Center Garden Grower Volunteer 2016

Honors and Awards

- Mary Francis Early Award Recipient March 2016
- University of Maryland Honors College Graduate May 2014
- University of Maryland Banneker-Key Scholar March 2010
- MD-DE Wildlife Society Fall Meeting Best Undergraduate Poster Award September 2013