

Brynn Harshbarger

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EDUCATION

UTAH STATE UNIVERSITY Logan, UT *Start date August 2021*
Pursuing PhD in Ecology through Biology Dept.

MARSHALL UNIVERSITY Huntington, WV *Jan. 2019–May 2021*
Master of Science in Biological Sciences

WEST VIRGINIA UNIVERSITY Morgantown, WV *Aug. 2013–Dec. 2017*
Bachelor of Arts with Honors in Biology, *cum laude* (GPA 3.5), Spanish minor
Honors Thesis: Thresholds for Discriminable Vs Detectable Chirps in Apterotonotids

PROFESSIONAL/RESEARCH EXPERIENCE

AMERICORP'S VISTA AT ZOOTAH

Feb. 2021- Present Developed education curriculum for youth
Participated in outreach education events
Recruited and managed volunteers
Compiled information for zoo's website

MASTER'S THESIS: SEASONAL VARIATION IN HOME RANGE AND CORE AREA USE IN *PROTITHECUS VERREAUXI*

Jan. 2019- March 2021 Monitored Verreaux's sifaka in Kirindy Mitea National Park, Madagascar
Collected locational and behavioral data
Cleaned large dataset to analyze seasonal changes in sifaka home range
Created home range maps through R and ArcGIS

MARSHALL UNIVERSITY: TEACHING ASSISTANT

Aug. 2019–May 2021 Taught 4 semesters of anatomy laboratories (20-25 students per lab)
Jan. 2019 Taught two sections of undergraduate biology laboratories (28 students each)
Encouraged students to think critically, follow the scientific process, and learn laboratory techniques

GRADUATE FIELD LEADER

Mar. 2020 Managed undergraduate students for Wildlife Ecology class project
Located and measured attributes of squirrel nests

RESEARCH ASSISTANT MADAGASCAR BIODIVERSITY PARTNERSHIP

Oct.-Dec. 2018 Collected lemur behavioral data as part of a larger research project
Co-taught English classes for field guides
Participated in planting events to aid in forest regeneration

WVU DIVISION 1 INTERCOLLEGIATE CROSS COUNTRY/TRACK ATHLETE

Aug. 2013- Dec. 2017 Competed on top 10 NCAA team

CHIMPS. INC INTERN

Jun.-Aug. 2017 Cared for chimpanzees, cleaned enclosures, prepared food, and maintained the sanctuary grounds
Co-led kid summer camps where we educated children on chimpanzee behavior and created environmental enrichment

HONORS BIOLOGY CAPSTONE: WEST VIRGINIA UNIVERSITY

May 2016-Dec. 2017 Designed and conducted research on electrical communication signals in black ghost knifefish
Constructed a chamber to record fishes' electrical responses to signals

AWARDS AND HONORS

June 2020 Biological Sciences Lab Manual Royalty Fund: **\$700** awarded for conference travel
Aug. 2013-May 2017 West Virginia Promise Scholarship winner: **\$4,750** annually for four years
Aug. 2014-Dec 2017 Received full athletic scholarship: **\$10,000** annually
Aug. 2013-Dec.2017 Dean's Honors Scholar
Aug. 2014-Dec.2016 Academic All Big-12 Honors
Nov. 2014 Cross Country All-Region Honors

PRESENTATIONS

Nov. 2020 **Harshbarger, Brynn** "Seasonal Variation in Verreaux's Sifaka (*Propithecus verreauxi*) Home-Range and Core-Area Size" BSC Seminar Series Marshall University:
Jul. 2019 **Harshbarger, Brynn** and Axel, Anne. "Mapping movements of herded livestock in a tropical dry forest with respect to season and security: differentiating between frequently-visited areas and high-duration visitation spots". 56th annual Association for Tropical Biology and Conservation. 2019 Jul 30- Aug 3; Antananarivo, Madagascar

RELEVANT COURSEWORK

- Plant Ecology
- Animal Parasitology
- Principles of GIS
- Quantitative Ecology
- Ornithology
- Dgtl Image Proc/GIS Model
- SpTp: Wildlife Ecology & Mgmt
- R Data Analysis
- Principles of Conservation Ecology
- Ecology and Evolution
- Behavioral Ecology
- Restoration Ecology
- Animal Communication
- Global Food/Agrictrl Industry

RESEARCH SKILLS

Proficiency with R Studio, ArcMap and ArcGIS
Radio telemetry
Focal animal sampling and forest measurement
Experience with Program Presence, SAS and ERDAS Imagine