

ATTICUS TOMCHO

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Athens, Ga 30606

EDUCATION

- | | | |
|-----------|--|---------------------|
| MS | University of Georgia, Geography | May 2025 (expected) |
| BS | University of North Georgia, Biology
3.88 GPA | December 2023 |

EXPERIENCE

FUSE, University of North Georgia, Dahlonega, GA Summer 2023
Student Researcher, Advisor: Jessica Patterson

- Assess the impacts of artificial lighting on African mammal behavior
 - Analyze footage of lit and unlit waterholes to create an ethogram in BORIS
 - R Studio for data analysis

SCALE Lab, University of North Georgia, Dahlonega, GA 2023
Student Researcher, Advisor: Jessica Patterson

- Comparing bait type efficacy for monitoring wildlife communities
 - Weekly assessment of camera trap grids and bait stations
 - Utilized the Colorado Parks and Wildlife software, Microsoft Access, Microsoft Excel, and R Studio to analyze data

SCALE Lab, University of North Georgia, Dahlonega, GA 2022-2023
Student Researcher, Advisor: Jessica Patterson

- Assessing the long-term impact of timber harvesting on the vertebrate community structure at a site in northern Georgia
 - Conducted weekly field work to manage camera trap grids and bait stations
 - Utilized the Colorado Parks and Wildlife software, Microsoft Access, Microsoft Excel, and R Studio to analyze data

SCALE Lab, University of North Georgia, Dahlonega, GA 2022 - Current
Student Researcher, Advisor: Dr. David Patterson

- Isotopic analysis of modern and fossil American Alligator enamel to understand ecosystem and climatic dynamics of the late Pleistocene
 - Serially sample alligator tooth enamel with a high-speed rotary drill
 - Instructed other members on enamel sampling
 - R studio for data analysis and figure preparation
 - Publication in preparation

AWARDS

NSF - Graduate Research Fellowship Program (GRFP) Awardee (2024)

- Five-year fellowship provides three years of financial support inclusive of an annual stipend and cost of education to the institution

UNG Annual Research Conference (2024)

- Best Poster Award for Natural Sciences

Ralph E. Hitt Scholarship (2023)

- Awarded for a student pursuing a BS in Biology demonstrating a high level of commitment to their academic performance with an interest in animal research

Georgia Academy of Science (2023)

- Best Poster Award

UNG Annual Research Conference (2023)

- Best Poster Award - Honorable Mention

PUBLICATIONS

- **Atticus Tomcho**, Mary Dickens, Alfred J. Mead, Heidi Mead, George Bennett, Christopher Seminack, David B. Patterson (*In Prep.*) Late Pleistocene Ecosystem Evolution in Southeastern North America: A Transdisciplinary Approach Using Fossil American Alligator Enamel Isotopes. To be submitted to *Paleobiology*.

CONFERENCE PRESENTATIONS

2024

- Lillie Hayes, **Atticus Tomcho**, Jessy R. Patterson (2024) Elucidating the Effects of Artificial Lighting on African Mammal Behavior. UNG ARC. Gainesville, GA.

2023

- **Atticus Tomcho**, Mary Dickens, Alfred J. Mead, Heidi Mead, George Bennett, Christopher Seminack, David B. Patterson (2023) Late Pleistocene Ecosystem Evolution in Southeastern North America: A Transdisciplinary Approach Using Fossil American Alligator Enamel Isotopes. Society of Vertebrate Paleontology. Cincinnati, OH. Georgia Academy of Science Annual Meeting. Milledgeville, GA.
- **Atticus Tomcho**, Erin E. Barding, Jessy R. Patterson (2023) Comparison of Bait Type Efficacy for Monitoring Wildlife Communities. The Wildlife Society Annual Meeting. Louisville, KY.
- **Atticus Tomcho**, Erin E. Barding, McKenna Johnson, Jessy R. Patterson (2023) Effects of Partial Timber Harvests on Vertebrate Community Composition. UNG ARC. Dahlonaga, GA. Georgia Chapter of The Wildlife Society Annual Conference. Macon, GA.

COMMUNITY/LEADERSHIP

CURCA Ambassador (2023 - Current)

- Contact for students hoping to learn about research involvement at UNG

Teaching Assistant (2023)

- Support students in an ecology field techniques course
- Show students how to set traps, trail cameras, and survey the forest

UNG Volunteer (2023)

- Representative of the College of Science and Mathematics

UNG Summer Honors (2022)

- Rigorous two-week camp with rising honors high school seniors
- Focused on developing the students' teambuilding and leadership skills
- Give insight and prepare students for a successful college career

UNG Outdoor Pursuits (2022 - 2023)

- Lead activities for groups that require proper teamwork and communication
- Teach groups how to use and apply their newfound skills to their work environment

REFERENCES

Dr. David Patterson, Associate Professor - Biology

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Jessica Patterson, Lecturer - Biology

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Dr. Erin Barding, Professor - Biology

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