

# Caleb A. Aldridge

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Graduate Research Assistant and Ph.D. Student • Wildlife, Fisheries & Aquaculture

Acorn 107 • Mississippi State University • Mississippi State, MS 39762-9690

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## SHORT BIO

Caleb was born in Winfield, Alabama, USA, in 1989 and raised in rural northwestern parts of the state. Some of his earliest memories are of playing in the creeks and ditches digging for crayfish and salamanders. It was these early experiences that lead him to pursue an education and career in ecological science and natural resource conservation. His professional and research interests include the conservation of herpetofauna, ecology of headwater ecosystems, and optimizing decisions in natural resource management. He is currently investigating how state inland fisheries agencies apply standardized sampling and monitoring methods to inform management decisions that meet stakeholder objectives. Caleb also has passion for teaching, learning, and academic refinement. He discovered this as an undergraduate when tutoring and leading study groups. This passion was solidified through a graduate assistantship teaching General Biology Labs and guest lecturing for Ecology. He currently teaches online Introductory Biology Labs for Northwest Mississippi Community College. When not reading or researching he enjoys coffee, time outdoors—whether knelt in his home garden or hiking Angel’s Landing trail in Zion Canyon National Park—and helping others to gain a better understanding of the natural world.

Google Scholar Citations: 3 | Google Scholar *h*-index: 1

R<sup>G</sup> Reads: 10,909 | R<sup>G</sup> Score: 12.75 | R<sup>G</sup> Research Interest: 16.60

## EDUCATION

### *Degree-seeking*

**Ph.D. Forest Resources—Wildlife, Fisheries & Aquaculture** 2018-Current

*Dept. of Wildlife, Fisheries & Aquaculture, Mississippi State University*

[Working] Dissertation title: *Knowledge Discovery and Decision Analysis in Managing US Inland Fisheries*

Committee: Leandro E. (Steve) Miranda (Co-Advisor), Michael E. Colvin (Co-Advisor), Scott A. Rush, and Anna C. Linhos

Selected coursework: Decision Support Systems, Conservation and Natural Resource Decision Making, Improving Instruction

### **M.S. Biological Sciences**

2014-2017

*Dept. of Biology, The University of Mississippi*

Thesis title: *The Effect of Road Crossings on Stream-associated Salamanders within Holly Springs National Forest*

Committee: Stephen T. Threlkeld (Co-Advisor), William J. Resetarits (Co-Advisor), Marjorie M. Holland, and Rebecca E. Symul

Selected coursework: Biometry, Experimental Design, Wetlands Ecology, Herpetology, Multivariate Analysis of Ecological Data

Graduate Coursework 2013-2014  
*Dept. of Biological and Envir. Sciences, Alabama Ag. & Mech. University*

Advisor: Dawn Lemke

Selected coursework: Envir. Biology, GIS, Spatial Analysis and Modeling, Hydrology and Watershed Mgmt.

**B.S. General Biology** 2010-2012  
*Dept. of Biology, The University of North Alabama*

Advisor: Glenn A. Marvin

Selected coursework: Elementary Stats., Aquatic Ecology, Entomology, Comp. Vert. Morph., Plant Phys.

Undergraduate Coursework 2008-2010  
*Dept. of Biological, Physical, and Human Sciences, Freed-Hardeman University*

Advisor: Brian P. Butterfield

Selected coursework: Principles of Biology, Human Anatomy and Phys., Microbiology

### ***Non-degree-seeking***

GTA Series: Active Learning Techniques Workshop 2018  
*Center for Teaching and Learning (CTL), Mississippi State University*

Teaching Effectively Online (TEO): Canvas Basics 2017  
*Mississippi Virtual Community College Academy*

Sustainable Agricultural Land Management 2016  
*Massive online open course (MOOC) via coursera and University of Florida*

The Land Ethic Reclaimed: Perceptive Hunting, Aldo Leopold, and Conservation 2015  
*MOOC via coursera and University of Wisconsin-Madison*

Watershed Management Training Certificate 2015  
*The Watershed Academy Web-Based Training Program, U.S. Environmental Protection Agency*

R Programming 2014  
*MOOC via coursera and John Hopkins University*

University Teaching 101 2014  
*MOOC via coursera and John Hopkins University*

'Building Models for GIS Analysis Using ArcGIS' webcourse 2014  
*esri Training Academy*

Bird Bootcamp 2013  
*Alabama State Lands Division*

## **RESEARCH EXPERIENCE**

**Graduate Research (Dissertation)** 2018-Current  
*Dept. of Wildlife, Fisheries & Aquaculture, Mississippi State University*

Supervisors: Michael E. Colvin and Leandro E. (Steve) Miranda

Review of management procedures of US state inland fisheries agencies and development of a prototype framework (procedures plus data tools) for adaptive management

of Mississippi inland fisheries. Will include examination of long-term monitoring data (observational study) in estimates of fisheries parameters in response to management actions.

**Research Assistant**

2018-Current

*Dept. of Wildlife, Fisheries & Aquaculture, Mississippi State University*

Supervisors: Michael E. Colvin and Leandro E. (Steve) Miranda

Review of manuscripts and other scholarly works; perform statistical and numerical analytics; design experiments and sampling schemes; and conduct field and laboratory sampling.

**Research Associate**

2016-2018

*Dept. of Wildlife, Fisheries & Aquaculture, Mississippi State University*

Supervisor: Beth H. Baker

Investigation (field experiment) on the effects winter cover crops on soil properties and edge-of-field runoff.

**Graduate Research (Thesis)**

2015-2017

*Dept. of Biology, The University of Mississippi*

Supervisors: Stephen T. Threlkeld and William J. Resetarits

Investigation (quasi-experimental) on how road-crossings affected stream-associated salamander counts and richness in comparison to road-free streams.

**Field Technician**

2014

*Dept. of Biological and Envir. Sciences, Alabama Ag. & Mech. University*

Supervisor: Dawn Lemke

Sampling of water quality parameters in the investigation (quasi-experimental) of responses to differing prescribed fire applications.

**Wildlife Biologist Intern**

2013

*Freedom Hills Wildlife Management Area, Alabama Department of Conservation and Nat. Resources*

Supervisor: Mitchell Marks

Sampling and surveys of various wildlife populations for estimates of abundance, structure, and health.

**TEACHING EXPERIENCE**

**Adjunct eLearning Biology Instructor**

2018-Current

*eLearning Science, Northwest Mississippi Community College*

Supervisor: Angel Nickens

Instruction of elementary biological science and laboratory simulations; proctoring of examinations. (12 hrs taught; "Meets Expectations" on performance review)

**Graduate Teaching Assistant**

2014-2016

*Dept. of Biology, The University of Mississippi*

Supervisor: Denis C. Goulet

Instruction of elementary biological, human anatomy and physiology, and ecological science laboratories; proctoring of examinations. (22 hrs taught; 3.89/4.00 from student reviews)

**Guest Lecture for Ecology**

2015-09-28

*Dept. of Biology, The University of Mississippi*

Instructor: Stephen T. Threlkeld

"Population Dynamics" based on material from M.C. Molles Jr., "Ecology: Concepts and Applications."

**Laboratory Assistant**

2011-2012

*Alabama Math, Science, and Tech. Initiative: Science in Motion*

Supervisor: Kim Pounders

Prototyped and maintained laboratory equipment and demonstration supplies. Assisted with demonstrations and instruction to secondary school teachers.

**ACADEMIC AND COMMUNITY SERVICE**

*Shackouls Honors College Undergraduate Research Symposium*

**Judge**

Summer 2019

*Shackouls Honors College Undergraduate Research Symposium*

**Judge**

Spring 2019

*12th Annual Biological Undergraduate Research Program*

**Judge**

2019

*2019 Nabi Award Selection Committee*

**Member**

2019

*Bridging 662*

**Board Member**

2018-Present

*Cook Elementary P-16 Community Engagement Council*

**Councilmember**

2018-Present

*Earth Day Prairie Restoration, Osborne Prairie, Osborne, MS*

*ConserVANTion and the MSU Biology Graduate Student Association*

**Volunteer**

2017

*The University of Mississippi Graduate Student Council*

**Social and Philanthropical Chair**

2015-2016

**SCIENTIFIC AND SCHOLARLY WORKS**

**Note:** Names of undergraduate co-authors underlined.

*Journal Articles*

1. **Aldridge, C.A.**, B.H. Baker, and A.R. Omer. *Investigation of short-term effects of winter cover crops on compaction and total soil carbon in a long-term no-till agricultural system*. Journal of Soil and Water Conservation 74(1):78–85. Available from <https://doi.org/10.2489/jswc.74.1.77>
2. Baker, B.H., J.M. Prince Czarnecki, A.R. Omer, **C.A. Aldridge**, R. Kröger and J.D. Prevost. (2018). *Nutrient and sediment runoff from agricultural landscapes with varying suites of conservation practices in the Mississippi Alluvial Valley*. Journal of Soil and Water Conservation 73(1): 75–85. Available from <https://doi.org/10.2489/jswc.73.1.75>

#### Extension Articles

1. Baker, B.H., **C.A. Aldridge**, and A.R. Omer. (2018). *Assessing and protecting water quality in the home and community*. Mississippi State University Extension, Mississippi State University. Available from <https://tinyurl.com/y63wrh9j>
2. **Aldridge, C.A.** and B.H. Baker. (2017). *Watersheds: Role, importance, and stewardship*. Mississippi State University Extension, Mississippi State University. Available from <https://tinyurl.com/yyv2y9zj>
3. Baker, B.H., A.R. Omer, and **C.A. Aldridge**. (2017). *Water: Sink to sea*. Mississippi State University Extension, Mississippi State University. Available from <https://tinyurl.com/y2zs5z73>
4. Baker, B.H., **C.A. Aldridge**, and A.R. Omer. (2016). *Water: Availability and use*. Mississippi State University Extension, Mississippi State University. Available from <https://tinyurl.com/yxtcto7c>
5. **Aldridge, C.A.**, B.H. Baker, and A.R. Omer. (2016). *Concerns about long-term water security*. Mississippi State University Extension, Mississippi State University. Available from <https://tinyurl.com/y25uwm6g>

#### Reports, Papers, and Notes

1. **Aldridge, C.A.** (2018). *A report for Morton Farms on the effects of winter cover on select soil metrics*. REACH, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
2. **Aldridge, C.A.** and B.H. Baker. (2018). *Mississippi State University 201 and 202 monitoring network for Mike Graves and the USDA–Natural Resource Conservation Service Annual report, January 2018*. REACH, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
3. **Aldridge, C.A.**. (2017). *The Effect of road crossings on stream-associated salamanders within Holly Springs National Forest* (Master's thesis). Available from ProQuest Dissertations and Theses Global. (1925911777). Retrieved from <https://search.proquest.com/docview/1925911777>
4. **Aldridge, C.A.** and B.H. Baker. (2017). *Mississippi State University 201 and 202 monitoring network for Mike Graves and the USDA–Natural Resource Conservation Service Semi-annual report, July 2017*. REACH, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
5. **Aldridge, C.A.** and B.H. Baker. (2017). *Mississippi State University 201 and 202 monitoring network for Mike Graves and the USDA–Natural Resource Conservation Service Annual report, January 2017*. REACH, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
6. **Aldridge, C.A.** and B.H. Baker. (2016). *Mississippi State University 201 and 202 monitoring network for Mike Graves and the USDA–Natural Resource Conservation Service Semi-annual report, July 2016*. REACH, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.

### Manuscripts Pending

1. Miranda, L.E., M. Colvin, A. Shamaskin, and **C.A. Aldridge**. (In preparation). *Review, revision and development of new monitoring protocols to facilitate the meeting of goals and objectives of freshwater fisheries management in Mississippi*. Mississippi Department of Wildlife, Fisheries, and Parks, Jackson, MS.
2. Dennison, J.L. and **C.A. Aldridge**. (In preparation). *Hemidactylus turcicus* (Mediterranean Gecko). Geographic Distribution. Herpetological Review.
3. **Aldridge, C.A.**. (Under review). *Computing Skills Beyond R for Fisheries Students*. Student Angle. Fisheries.
4. **Aldridge, C.A.** (Under review). *The Effect of Forest Roads on Plethodontidae Abundance in the Eastern US: A Field Study and Synthesis*. Copeia.
5. Omer, A.R., **C.A. Aldridge**, and B.H. Baker. (Under review). *Outflow hydrology of tailwater recovery systems with comparisons to a control catchment*. Journal of Irrigation and Drainage Engineering.
6. **Aldridge, C.A.**, A.R. Omer, and B.H. Baker. (Submitted). *Exploring potential effect of tailwater recovery systems on downstream hydrology*. Journal of Irrigation and Drainage Engineering.
7. Brooks, J.P., R.K. Smith, **C.A. Aldridge**, B. Chaney, A.R. Omer, J. Dentinger, G.M. Street, and B.H. Baker. (Submitted). *A preliminary investigation of Feral Hog (*Sus scrofa*) impacts on water quality*. Journal of Environmental Quality.
8. Baker, B.H. and **C.A. Aldridge**. (In preparation). *Farmer-initiated research in providing scientific support: Morton Farm case study*. Journal of Extension.

### Presentations and Outreach

1. Bush, C., S.A. Rush, C. Bethel, and **C.A. Aldridge**. (Content author). (2019-08-02). *A web-based interface designed to promote biological conservation and education within Mississippi*. Poster presentation at the Shackouls Honors College 2019 Summer Undergraduate Research Symposium, Mississippi State University, Mississippi State, MS.
2. Baker, B., **C.A. Aldridge**, A. Lucore, J. Dyer, and R. Kroger. (Content author). (2019-06-23–25). *Effects of cover crops on edge-of-field runoff in row-crop production systems*. Oral presentation at the Southern Region Water Conference, Texas A&M Hotel and Conference Center, Texas A&M University, College Station, TX.
3. **Aldridge, C.A.** (Presenter). (2019-05-02). *A planning support tool for MDWFP statewide fisheries management*. Oral presentation at the Mississippi Cooperative Fish and Wildlife Research Unit Annual Coordinating Committee Meeting, Berryman Institute, Mississippi State University, Mississippi State, MS.
4. Wilmoth, B.M., D.A. Schumann, B.M. Richardson, **C.A. Aldridge**, and M.E. Colvin. (Content author). (2019-04-16). *Ontogeny of Southern Brook Lamprey (*Ichthyomyzon gagei*) with emphasis on abundance, distribution, and morphology in a small watershed*. Poster presentation at the Shackouls Honors College 2019 Spring Undergraduate Research Symposium, Mississippi State University, Mississippi State, MS. Available from <https://tinyurl.com/y536pzdj>
5. **Aldridge, C.A.**, M.E. Colvin, and L.E. Miranda. (Presenter). (2019-02-20–22). *Early look: Performance of machine learning to classify age from age-length data*. Poster presented at the 45th

- Annual Meeting of the Mississippi Chapter of the American Fisheries Society. Mississippi Museum of Natural Science, Jackson, MS. Available from <https://tinyurl.com/y28gqycg>
6. Wilmoth, B.M., D.A. Schumann, B.M. Richardson, **C.A. Aldridge**, and M.E. Colvin. (Content author). (2019-02-20–22). *Ontogeny of Southern Brook Lamprey, Ichthyomyzon gagei, with emphasis on abundance, distribution, and morphology in a small watershed*. Oral presentation at the 45th Annual Meeting of the Mississippi Chapter of the American Fisheries Society. Mississippi Museum of Natural Science, Jackson, MS. Available from <https://tinyurl.com/y456pvtd>
  7. **Aldridge, C.A.**, B.M. Richardson, D.A. Schumann, and M.E. Colvin. (Presenter). (2018-11-08). *Identifying barriers to the use and detection of passive integrated transponder (PIT) tags in Southern Brook Lamprey ammocoetes (Ichthyomyzon gagei, Hubbs & Trautman, 1937)*. Oral presentation at Southeastern Fishes Council 44th Annual Meeting. Hickory Knob State Park Resort, McCormick, SC. Available from <https://tinyurl.com/y8hvb2sw>
  8. **Aldridge, C.A.** (Presenter). (2018-11-06). *Equipment and video demonstration of stream fish sampling techniques*. Demonstration at New Hope STEM Night. New Hope High School, New Hope, MS.
  9. Richardson, B.M., **C.A. Aldridge**, D.A. Schumann, M.E. Colvin. (Content author). (2018-08-20). *Assessing viability of passive integrated transponder (PIT) tags for ecological studies of lamprey ammocoetes*. Poster presented at the 148th Annual Meeting of the American Fisheries Society, Atlantic City, NJ. Available from <https://tinyurl.com/yazju8mm>
  10. **Aldridge, C.A.** (Guest). (2017-11-15). *White-tailed deer: Hunting regulations and concerns* [Radio program]. In J. Campbell and J. Webster (Hosts and Producers), Tennessee Valley Outdoor Report Live. Florence, AL:WSBM.
  11. Chaney, B., J.P. Brooks, **C.A. Aldridge**, A.R. Omer, G.M. Street, and B.H. Baker. (Content author). (2017-04-13). *Preliminary investigation of Feral Hog impacts on water quality*. Poster presented at the Shackouls Honors College 2017 Spring Undergraduate Research Symposium, Mississippi State University, Mississippi State, MS. Available from <https://tinyurl.com/y9p63j9q>
  12. Omer, A.R., B.H. Baker, B., and **C.A. Aldridge**. (Co-presenter). (2017). *Water resources lecture and demonstrations for 6th - 8th graders*. Demonstration at 2017 Conservation Camp–Day Camp Edition. Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
  13. Omer, A.R., B.H. Baker, **C.A. Aldridge**, and A. Firth. (Co-presenter). (2017). *Water resources lecture and demonstrations for 7th graders*. Demonstration at 2017 Conservation Camp–Wildlife and Recreation Edition, Department of Wildlife, Fisheries & Aquaculture, Mississippi State University, Mississippi State, MS.
  14. Baker, B.H., A.R. Omer, and **C.A. Aldridge**. (Co-presenter). (2017). *Water resources lecture and demonstrations*. Demonstrations for Grade 5 Classrooms. Lawndale Elementary, Tupelo, MS.
  15. **Aldridge, C.A.** (Presenter). (2017). *The effect of road crossings on stream-associated salamanders within Holly Springs National Forest*. Oral presentation at Departmental Seminar Series–Thesis Defense. Department of Biological Sciences, University of Mississippi, University, MS.
  16. Baker, B.H., A. Jacobs, J. Estes, and **C.A. Aldridge**. (Co-presenter). (2017-02-23). *Cover*



*crops field day*. Demonstration and discussion at MSU Extension and USDA–NRCS field day. Graves Farm, Ripley, MS.

17. **Aldridge, C.A.** (Presenter). (2016). *Results: Comparisons of stream-associated salamander abundance and richness in road-crossed and road-free low-order streams in Holly Springs National Forest*. Oral presentation at Brown Bag Presentation Series. Holly Springs Ranger District, University, MS.
18. **Aldridge, C.A.** (Presenter). (2015). *The effect of road crossings on stream-associated salamanders within Holly Springs National Forest*. Oral presentation at Departmental Seminar Series–Thesis Prospectus. Department of Biology, University of Mississippi, University, MS.
19. Bohenek, J. and **C.A. Aldridge** (Co-presenter). (2015). *Chittum Tubby Pond cleanup: A restoration effort*. Oral presentation for Wetland Ecology Course. Department of Biology, University of Mississippi, University, MS. Available from <https://youtu.be/VwtDOspsTGo>
20. **Aldridge, C.A.** (Content author). (2014). *Influences of forest management on flow regime, Bankhead National Forest, AL*. Poster presentation at STEM Day 2014. Department of Biological and Envir. Sciences, Alabama Ag. & Mech. University, Normal, AL.
21. **Aldridge, C.A.** (Content author). (2014). *Facts for flow study: Bankhead National Forest, AL*. Oral presentation for GIS, Spatial Analysis, and Modeling Course. Department of Biological and Envir. Sciences, Alabama Ag. & Mech. University, Normal, AL.
22. **Aldridge, C.A.** (Presenter). (2014-02-05). *Assessing the impact of active forest management on watershed stream flow, turbidity, and dissolved oxygen*. Oral presentation for student project proposal. Center for Forest Ecosystems Assessment, Alabama Ag. & Mech. University, Normal, AL.

#### Code and Programming

1. **Aldridge, C.A.**, M.E. Colvin, and L.E. Miranda. (Author). (2019). *FRASps: Fisheries Resources Analysis System—Planning Support*. (Version 0.1) [Software], Department of Wildlife, Fisheries and Aquaculture, Mississippi State University, Mississippi State, MS and Mississippi Department of Wildlife, Fisheries, and Parks, Jackson, MS.
2. **Aldridge, C.A.** (Contributor). (2018). *Age-length key*. In Miranda, L.E. and M.E. Colvin (Authors), *FRAS: Fisheries Resources Analysis System* (Version 3.0) [Software], Department of Wildlife, Fisheries and Aquaculture, Mississippi State University, Mississippi State, MS and Mississippi Department of Wildlife, Fisheries, and Parks, Jackson, MS.
3. **Aldridge, C.A.** (2018). *Calculations of common metrics of hydrographs* [R Code]. Available from <https://tinyurl.com/y9yh6pw7>
4. **Aldridge, C.A.** (2017). *Unique dates axis labels in multi-panel lattice graphics* [R Code]. Available from <https://tinyurl.com/y9mkv663>
5. **Aldridge, C.A.** (2017). *Functions to convert DD to DMS for ggmap axis plotting* [R Code]. Available from <https://tinyurl.com/ycr3m9k4>

#### Contributed Blog Posts

1. **Aldridge, C.A.** (2019-04-03). *Story Framing with the Message Box: A tool for writing a SUCCES story*. Available from <https://tinyurl.com/yynbj44>



2. **Aldridge, C.A.** (2019-03-22). Design and Decisions, Part II: Using crunched numbers in decision support. Available from <https://tinyurl.com/y4uq64xb>
3. **Aldridge, C.A.** (2019-01-25). Design and Decisions, Part I: Thinking about the decision to be made *before* the numbers are crunched. Available from <https://tinyurl.com/y5x4wqex>
4. **Aldridge, C.A.** (2018-10-18). You so random: Selecting random stream sampling locations using R. Available from <https://tinyurl.com/y473zkbz>
5. **Aldridge, C.A.** (2018-10-05). The effects of sediment on PIT tag detection—The setup. Available from <https://tinyurl.com/y38sjsk7>
6. **Aldridge, C.A., B.M. Richardson, D.A. Schumann, and M.E. Colvin.** (2018-10-05). Lamprey abstract for Southeastern Fishes Council meeting. Available from <https://tinyurl.com/y4qbdhwa>

## CONFERENCES ATTENDED

1. *45th Annual Meeting of the Mississippi Chapter of the American Fisheries Society.* (2019-02-20–22). Mississippi Museum of Natural Science, Jackson, MS.
2. *2019 Diversity Conference: Our Voices, When Diversity Matters.* (2019-01-31–02-01). The Mill Conference Center at Mississippi State University, Mississippi State, MS.
3. *Southeastern Fishes Council 44th Annual Meeting.* (2018-11-08–09). Hickory Knob State Park Resort, McCormick, SC.
4. *Data Summit 2018.* (2018-09-13–14). The Mill Conference Center at Mississippi State University, Mississippi State, MS.
5. *Cover Crop Symposium.* (2017-11-29). Capps Building, Delta Research and Extension Center, Stoneville, MS.
6. *2017 SEC Academic Conference: The Future of Water.* (2017-03-27–28). The Mill Conference Center at Mississippi State University, Mississippi State, MS.

## RESEARCH INTERESTS

Development of and decision support tools for adaptive natural resource and ecosystem management.

Development of data exploration and mining procedures for natural resource and ecological sciences (i.e., ecoinformatics).

Ecology of the Southern Brook Lamprey (*Ichthyomyzon gagei*), and methodologies in their study.

Herpetofauna surveys and mapping, especially of Urodela (Salamanders) along the western Fall Line of Alabama.

Ecology and conservation of headwater ecosystems.

## PROFESSIONAL AFFILIATIONS

*American Fisheries Society*

*Mississippi Chapter*

*Fisheries Management Section*

*Student Subsection of the Education Section*

<b>Student Member</b>	2018-Current
<i>Miss. St. Univ. Sub-unit</i>	
<b>Treasurer</b>	2018-2020
<i>American Society of Ichthyologists and Herpetologists</i>	
<b>Student Member</b>	2018-Current
<i>Southeastern Fishes Council</i>	
<b>Student Member</b>	2018-Current
<i>Association of Southeastern Biologists</i>	
<b>Student Member</b>	2017-Current
<i>Southeastern Partners in Amphibian and Reptile Conservation</i>	
<b>Member</b>	2016-Current

## ACCOLADES

1. AAAS/Science Program for Excellence in Science Nominee [Sponsored membership] 2019
2. Fernando Vizcarra Memorial Photo Contest (Fall) [3rd Place]  
"Sunrise Mesa Arch, Canyonlands National Park, Utah" 2018
3. Boschung Student Travel Award [\$100] 2018
4. Graduate Research Assistantship, Mississippi State University 2018-Current
5. Graduate Teaching Assistantship, University of Mississippi 2014-2016
6. Pate—Sterling Mermorial Scholarship 2008-2009
7. NUCOR Steel Foundation Scholarship 2008-2012
8. Alabama Youth Leadership Conference 2007
9. Alabama Boys' State 2007

## COMPUTER SKILLS

Created personal professional website (link above), programmed minor functions and applications within R (see 'Other Works' section) and JavaScript (e.g., for retrieval of scholarly metrics under 'SHORT BIO' section of this CV), and analyzed and created content using software tool listed below.

Programming: R, Git, SQL, T<sub>E</sub>X, markdown, R Markdown, HTML, CSS (Novice), JavaScript (Novice), Python (Novice), VBA (Novice)

Applications: RStudio, Microsoft Office Suite, Mendeley Desktop, G Suite, Shiny, GitHub Desktop, Atom, Quantum GIS, HOBOWare PRO, Blackboard, Canvas, GRASS (Novice), JMP (Novice), PAST (Novice), InVest (Novice)

Platforms: Microsoft Windows, Android, macOS (Novice), Linux (Novice)

## LANGUAGES

English (Native), Spanish (Novice)

## OTHER

<i>National Parks Conservation Association</i>	2016-Current
<i>National Parks Foundation</i>	2016-Current
<i>Tennessee Valley Outdoor Report</i> <b>Content Contributor</b>	2017-Current
<i>Sipsey River Rats</i> <b>Content Contributor</b>	2017-Current

## REFERENCES

Available upon request.

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Please send questions, feedback, or type errors to [caa134@msstate.edu](mailto:caa134@msstate.edu). This document was produced using RStudio, an Integrated Development Environment (IDE); it was written using **R** (statistical and programming language), R Markdown (markup language),  $\text{\TeX}$  (macro language), HTML (markup language), and JavaScript (programming language).