

Matthew C. Shockey

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Education:

The University of Alabama
M.S. Biological Sciences

Tuscaloosa, Alabama
August 2020 – Present
GPA: 4.0

Louisiana State University
B.S. Natural Resource Ecology and Management.
Concentration: Wildlife Habitat Conservation

Baton Rouge, Louisiana
August 2015 - May 2020
GPA: 3.615

Research Experiences:

The University of Alabama

Tuscaloosa, Alabama
August 2020-Present

Masters project:

- Exploring the drivers of tree biodiversity in Alabama's bottomland hardwood forests.
- Determining drivers/sources of hydrologic fluxes in hydrologic storage zones across floodplains.
- Quantifying hydrologic fluxes in and out of hydrologic storage zones.

Louisiana State University

Baton Rouge, Louisiana
January 2019- May 2020

Undergraduate research

- Develop a method to measure clay soil shrinkage at varying moisture contents.
- Paper has been accepted by Soil Science Society of America and is awaiting to be in production.
- DOI: 10.1002/saj2.20318

Work Experiences:

Louisiana State University

Baton Rouge, Louisiana
June 2019 - August 2019

Student worker in wetland hydrology lab

- Assisted current graduate students with their research.
- Developed a method to measure the amount of shrinkage wetland clay soils experience as they dry.
- Installed groundwater monitoring wells and vegetative monitoring plots in wetland forest in Eastern Texas.

Environmental Quality Resources

Millersville, Maryland
June 2018 - August 2018

Stream restoration field internship

- Read and implemented project plans for designed stream restorations.
- Installed and removed erosion and sediment control structures.
- Operated track trucks on tight roads.

Environmental Quality Resources

Millersville, Maryland
June 2017-August 2017

Project manager internship

- Examined project plans and determined the necessary materials for new projects.
- Calculated the quantity of each material needed for restoration projects.
- Attended meetings with potential clients to present plans.
- Contacted various vendors in order to determine the best price for each material.

LSU Residential Life

Baton Rouge, Louisiana
August 2016- May 2020

Resident Assistant

- Work together with a staff to create engaging programs that meet residents needs and wants.
- Be a leader/resource for as many as 50 residents.
- Use adaptive skills to assist students in times of crisis.
- Write descriptive incident reports that are used by departmental heads.

Publications:

Shockey, M. C., Keim, R. F., & Stewart, R. D. (2021). Measuring shrinkage of undisturbed soil peds. Soil Science Society of America Journal. *In Press*. doi:10.1002/saj2.20318

Skills and Certifications:

- Erosion and sediment control certified in the state of Maryland.
- Certified prescribed burn manager through the Louisiana Department of Agriculture and Forestry.
- Completed Boat U.S Foundation's online safety course for the state of Louisiana.