

# Ben Shannon

Starkville, MS | 850-420-2826 | [bencshannon@gmail.com](mailto:bencshannon@gmail.com) | [linkedin.com/in/bencshannon](https://www.linkedin.com/in/bencshannon)

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## EDUCATION

**Master of Science (MS) Civil Engineering**, *Mississippi State University* August 2025  
Concentrating in Geotechnical Engineering

**Bachelor of Arts (BA) Communication**, *Mississippi State University* December 2022

## EXPERIENCE

**Engineering Intern**, *Mississippi Department of Transportation* Jackson, MS | 2024

- Summer intern in the Traffic Engineering Division
- Inspected current and planned highway projects, met with consultants and developers on upcoming projects, and calculated traffic study data.

**Graduate Teaching Assistant**, *Mississippi State University* Starkville, MS | 2023-Present

## PROJECTS & RESEARCH

**Graduate Research Assistant**, *Mississippi State University* Starkville, MS | 2024-Present  
*Biochar Applications in Cement Composites*

- Researcher under Dr. Fei Wang. Attempting to quantify the internal curing effects of biochar in cement composites.

**Mix Design Team Lead**, *MSU ASCE Concrete Canoe* Starkville, MS | 23-2024

- Tested cylinders in lab and recorded data. Communicated with team members to share information efficiently.

## SKILLS & CERTIFICATIONS

- CAD Software (AutoCAD, Microstation, SignCAD)
- HTML, CSS, Python, C++
- Microsoft Excel, Word, PowerPoint

## UNIVERSITY & COMMUNITY INVOLVEMENT

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|--|---------------------------------------|
| • East Oktibbeha Volunteer Fire Department:      | Certified Firefighter, Drone Operator |
| • MSU Institute of Transportation Engineers:     | 2024/25 Vice President                |
| • Theta Tau Professional Engineering Fraternity: | 2024/25 Chaplain                      |
| • MSU American Society of Civil Engineers:       | 2023/24 Mix Design Team Leader        |
| • Pinelake Church:                               | Volunteer                             |