

Ben Shannon

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EDUCATION

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

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

EXPERIENCE

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

- Worked in the Traffic Engineering Department as a summer intern.
- Inspected current and planned highway projects to ensure conformance to MUTCD standards, met with consultants and developers on upcoming projects, and calculated traffic study data.

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

- Created curriculum, graded course assignments, assisted students in and outside of lab.

PROJECTS

Mix Design Team Lead, *MSU ASCE Concrete Canoe* Starkville, MS | 2023-2024

- Calculated mix proportions and created a strong lightweight concrete for a canoe.
- Tested cylinders in a lab and recorded data. Communicated with team members to share information efficiently.

SKILLS & CERTIFICATIONS

- CAD Software (AutoCAD, Microstation, SignCAD)
- Land Surveying
- HTML, CSS, Python, C++, Geant4
- Microsoft Excel, Word, PowerPoint
- Adobe Suite

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 |