

JOSHUA JORDAN MOORE

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SUMMARY

I am currently pursuing my PhD in Computer Engineering at Mississippi State University. My research areas include O-RAN, NextG technologies, RAN Orchestration, AI/ML in O-RAN among others.

EDUCATION

PhD in Computer Engineering - Mississippi State University Dec 2022 – Present

- Specialization: Wireless 5G/6G technologies and Radio Access Networks
- Ongoing Projects: [AERPAW](#), [OAIC](#)

Bachelor of Science in Software Engineering - Mississippi State University Aug 2020 – Dec 2022

Notable works: MSU IEEE Student Chapter Web Master
Founder of Open Source Software group at MSU

Associates degree in General Studies - Hinds Community College May 2018 – May 2020

EXPERIENCE

Graduate Research Assistant Dec 2023 – Present

Department of Electrical and Computer Engineering, MSU

- Employing USRP, Linux, networking, and specialized 5G expertise to extend and contribute significantly to srsRAN and OpenAirInterface for diverse next-gen communication research
- Conducting research on an NSF-funded collaborative R&D project aimed at advancing wireless 4G/5G and communication technologies
- Managing lab resources, organizing weekly progress meetings, and supervising and mentoring student workers

Laboratory Teaching Assistant Jan 2023 – May 2023

Department of Electrical and Computer Engineering, MSU

- Performed all assistant teaching duties for ECE 3714 Digital Devices and Logic Design class
- Mentored 100+ students across 3 sections for one-college semester
- Proctored exams, graded assignments, prepared instructional materials, and provided other general assistance in the instructional process

Undergraduate Researcher Assistant Aug 2020 – Dec 2022

Department of Electrical and Computer Engineering, MSU

- Created an open-source testbed for 5g/beyond Software Driven Radio (SDR) applications
- Developed 10 applications to assist with troubleshooting various difficulties of wireless testbeds

SKILLS

Languages: C, C++, Go, Python, HTML, CSS, JS

Frameworks: Flask, React

Technical skills: Version Control, Neural Networks, AI/ML, Containerization & Orchestration, Custom Kernel Configurations, Real-Time Operating Systems (RTOS), Software Development & Testing, Software Development Life Cycle (SDLC), Linux Administration, Socket Programming (Unix)