Roland Robinson

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Objective

Seeking a role in hardware and robotics engineering where I can use my skills in embedded systems and automation to create innovative solutions and contribute to exciting projects in robotics and the automotive industry.

Experience

Statewide Federal Credit | IT Specialist Intern   **May 2022 – August 2022**

- Executed 50+ SQL queries to analyze member accounts.
- Updated workstations and optimized servers, reducing downtime by 20%.
- Handled challenges in a dynamic IT environment, ensuring efficient operations.

Social Science Research Center | IT Support   **April 2021 – February 2022**

- Remotely troubleshooted systems, reducing downtime and improving reliability for staff.
- Assisted with maintaining and updating software systems for optimal functionality.
- Diagnosed and resolved network issues, enhancing connectivity for the team.

Mississippi State University (AERPAW) | Undergrad Research   **August 2023 – November 2023**

- Tested millimeter-wave technology, successfully transmitting 5G antenna signals.
- Implemented SSH file transfers, ensuring secure data exchange.

Education

Mississippi State University — Starkville, MS   **2024**
BS in Computer Engineering

Technical Skills

- Programming: Python, C, C++, Assembly
- Hardware: FPGA (VHDL/Verilog), Arduino, Raspberry Pi, ESP32
- Networking: Configuring and troubleshooting network protocols.