**MARCO MARSHALL**

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**EDUCATION**

Marshall University Huntington, WV

Bachelor of Science in Electrical and Computer Engineering Expected: May 2025

*Minors in Computer Science and Mathematics*

**RELEVANT COURSES**

* Digital Systems Design
* Electromagnetics
* Microprocessors
* Control Systems
* Embedded Systems
* Circuit Analysis
* Power Systems
* Computer Architecture

**SKILLS / STRENGTHS**

* Programming languages: C, C++, Python, VHDL
* Software: MATLAB, Simulink, LabVIEW, Multisim, AutoCAD Electrical
* Hardware: Oscilloscopes, Logic Analyzers, Microcontrollers (Arduino, Raspberry Pi)
* Operating Systems: Windows, Linux
* Professional: analytical thinker; team-oriented; effective problem solver; attention to detail

**PROJECTS**

Senior Design Project – Smart Energy Monitoring System

* Developed a real-time energy monitoring system for residential use, integrating sensors with microcontrollers.
* Programmed data acquisition and analysis modules using Python and C++.
* Designed PCB layout and collaborated with team members on system integration and testing.

**EXPERIENCE**

ABC Power Company Charleston, WV

Electrical Engineering Intern May 2024 - Present

* Assisted in power distribution system analysis and supported electrical design projects.
* Used MATLAB and Simulink for system modeling and simulation tasks.
* Conducted field visits and collaborated with engineers on equipment inspections and installations.

Marshall University Huntington, WV

Lab Assistant – Electronics Lab Sept. 2023 - May 2024

* Supported students in conducting experiments related to circuit analysis and microprocessor applications.
* Maintained lab equipment and ensured safety compliance.
* Assisted faculty with lab setup and grading technical reports.