**SUMMARY**

Motivated computer engineer with a strong interest in digital design and desire to learn more about technology.

**EDUCATION**

Mississippi State University Expected Graduation: 2024 Starkville, Mississippi

Bachelor’s Degree in Computer Engineering GPA: 3.2

Math Minor

RELEVANT COURSES:

|  |  |
| --- | --- |
| * Intro to Computer Programming w/ Python | * Advanced Circuits |
| * Intermediate Computer Programming w/ C++ | * Microprocessors w/ C and ASM |
| * Data Communications and Computer Networks |  |
| * Embedded Systems w/ C |  |
| * Digital Systems Design w/ Verilog and SystemVerilog |  |

**TECHNICAL SKILLS**

* Fundamental understanding of digital design and verification
* Familiarity with Xilinx Vivado Suite
* Ability to write simple programs in Python, C, and C++
* Familiarity with hardware description languages: Verilog, VHDL, and SystemVerilog
* Scripting experience in Bash
* Effective verbal and written communication skills

**PROJECTS**

Light Sensitive Automatic Blinds (C++)

* Automatic blinds that opened and closed using a DC motor, Arduino Uno, and data given by sensor and data modules: Real-Time Clock (RTC) and Light Dependent Resistors (LDR).

12W Audio Amplifier

* Designed using Cadence Allegro tools, PCB printed by JLCPCB, components sourced from Mouser Electronics, and implemented manually.

Exchange Rate Console Application (Python)

* Developed a console application using a currency exchange rate API to convert USD to 161 different currencies.

**Activities**

* Track & Field Discus Throwing (2015 – present)
* Powerlifting (2019 – present)
* MSU CSGO E-Sports Team (2021 – 2022)