Evan Humphrey

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Education

West Virginia University

Morgantown, WV

B.S. Computer Science, B.S. Computer Engineering, B.S Electrical Engineering

Spring 2027

GPA: 3.91

Relevant coursework: Digital Logic Design, Microprocessor Systems, Operating Systems, Intro to Software Engineering, Digital Electronics, Electrical Circuits 1 & 2, Signals and Systems 1, Data/Computer Communications

Experience

Sandwich Artist

Elkins, WV

Subway

March 2021 - May 2022

- Spearheaded [specific project or initiative], resulting in [quantifiable achievement].
- Collaborated with cross-functional teams to [accomplishment or task].
- Implemented [strategy or process improvement], leading to [positive outcome].
- Managed [specific responsibility or duty], ensuring [desired outcome].

Cashier

Morgantown, WV

Kroger

May 2025 - Present

- Spearheaded [specific project or initiative], resulting in [quantifiable achievement].
- Collaborated with cross-functional teams to [accomplishment or task].
- Implemented [strategy or process improvement], leading to [positive outcome].
- Managed [specific responsibility or duty], ensuring [desired outcome].

University Projects

PALFA Radio Pulsar Survey Data Collection

Spring 2023

- Organized a large data set of radio pulsar signals from Arecibo Observatory using Java
- Accounted for error in the data set to minimize potential outliers
- Used various searching and sorting techniques to compare various timings of differing organization methods

EZMeal

Spring 2024

- Organized and led a group of students to create a website focused on recipes and cooking
- Led the backend optimization and creation team to launch a database admin panel
- Utilized phpMyAdmin hosted on an AWS EC2 instance for database management
- Gained experience in database management and creation as well as basic SQL querying calls

Simple CPU Design

- Designed a simple 8-bit CPU that is equipped with 8x32 byte main memory
- Programmed in VHDL
- Implemented on an Intel DE-10 Lite FPGA Board using Intel Quartus Prime

Temperature Monitoring System

Spring 2025

- Built a temperature monitoring system using TI microcontrollers with ADC, UART, and motion sensor integration
- Developed real-time control logic with LED state indicators and interrupt-driven operation
- Created a serial interface to receive temperature values from temperature board to controller for visual monitoring

Activities

WVU AI Club

Fall 2022 - Present

- Club focused on educating students about artificial intelligence and its applications in industry

WVU IEEE Beta Rho Chapter

Fall 2023 - Present

- Club focused on Electrical/Computer Engineering
- Concentrated on creating and supporting students to build skills through personal/club projects

WVU Amateur Radio Club

Fall 2024 - Present

- Club focused on educating students on amateur radio and its applications

Additional

Licenses: Amateur Radio Licensee: KF8DUQ (General License)
Hardware: Intel DE-10 Lite, Raspberry Pi, TI Tiva C, many ICs
Software: VSCode, Intel Quartus Prime, Keil IDE, LTSpice, Visual Studio 2022, KiCAD
Languages: C, Java, VHDL, ARM Assembly, HTML, CSS, Python, MATLAB
Dean's List Scholar: Fall 2022, Spring 2023
President's List Scholar: Fall 2023, Spring 2024, Fall 2024, Spring 2025
Interests/Hobbies: Computer Building, Programming, Hammocking, Hockey, Video Games