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**Summary:** First-generation B.S. in Computer Engineering Junior with English and Computer Science minors in the Texas Tech University Honors College. I am seeking to utilize my skills in hardware design, programming, and web development in an internship, co-op, or research experience, as well as full-time employment.

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**Cumulative GPA:** 3.928

**Technical Skills:** Data Structures and Algorithms, Object-Oriented Programming, C/C++, Java, JavaFX, Python, MATLAB, Microcontrollers, Assembly, Verilog, FPGA, Microelectronics, HTML5, CSS3, JavaScript, MS Office, MS Visual Studio/VS Code.

**Academic Achievements:** Hispanic Scholarship Fund Scholar (2022, 2023, 2024), ASU Fall 2022 Dean's List, TTU Fall 2023 President's List, TTU Spring 2024 President's List, TTU Summer 2024 President's List

**Past courses:** Data Structures and Algorithms (C), Object-Oriented Programming (Java), Python and Data Science, Microcontrollers with Assembly, Probability Statistics and Discrete Math, Linear Algebra, Circuit Theory, Modern Digital System Design, Microelectronics, and Linear Signals and Systems.

**Spring 2025 Courses:** Design and Analysis of Algorithms, Software Engineering, Robotics Project Lab, and Microprocessor Architecture.

**IBM Full Stack Software Developer Certification:** I have completed the "Introduction to Cloud Computing" and "Introduction to Web Development" courses.

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### **Engineering Projects:**

Machine Learning Project: Designed a prediction model for power generation output of a power generator using a multivariate polynomial regression approach. I implemented the user interface and designed the function that generated the regression model using sci-kit learn among many other libraries.

Robotics Project Lab: This semester, I will design an autonomous robotic vehicle to perform some task utilizing technologies such as metallic sensing, color sensing, Verilog, and FPGA Boards.

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### **Work Experience:**

Currently employed as a tutor for the TTU Athletics Department (since August 2023).

Currently employed as a tutor for the TTU ECE department (since August 2024).

Math instructor at Mathnasium of Keller, Texas (February 2023-August 2023).

### **Contact Information:**

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