Caleb Leonard

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EDUCATION

Texas Tech University, Lubbock, Texas   Expected Graduation: May 2025
Bachelor of Science in Electrical Engineering   **GPA: 3.0**
Mathematics Minor

Odessa College, Odessa, Texas   May 2021
Associates of General Studies   **GPA: 3.4**

INVOLVEMENT

Launch Your Future in Engineering (LYFE) Mentorship Program
Mentee   *9/20/2021 - 4/30/2022*
- Mentored by an Electrical Engineering Ph.D. Candidate

TTU Math Club
Participating Member   *2/9/2022 - Present*
- Attended Several Seminars Regarding Machine Learning, Data Science, and Computational Physics

PROJECTS

- Arduino Weather Station
    - DHT11 Temperature/Humidity Sensor
    - HC-SRO4 Ultrasonic Sensor for Motion Control
    - Arduino Writes Temperature/Humidity to LCD via I2C
    - DC Motor Fan with Temperature/Motion Control

- Microcontroller Watch
    - ESP32-C3 QT PY Development Board
    - 1.3" Monochrome OLED through I2C Communication Protocol
    - SD Card Memory via SPI Communication Protocol
    - Modular Expandability through I2C Port on Display

SKILLS

- Technical Skills
    - Analog Circuit Design
    - C++
    - Logic Design with Verilog using Lattice Diamond
    - Microsoft products
    - Multimeter
    - Python programming
    - Soldering

- Honors/Awards
    - Honors/Awards: Texas Tech University Presidential Merit Scholarship Recipient