

# Tauseef Afraz

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## Education

- Collin College, Collin County, TX** May 2022-Present
- Dual Associates
    - Associate of Applied Science in Electronic Engineering Technology Expected in May 2025
    - Associate of Applied Science in Robotics and Automation Technology Expected in May 2026
- Embry-Riddle Aeronautical University (ERAU), Daytona Beach, FL** August 2021-May 2022
- Bachelor of Science in Aerospace Engineering Expected
    - Area of Concentration: Astronautics

## Extracurricular Experience

- NASA Lucy Student Pipeline Accelerator and Competency Enabler (L'SPACE)** May 2024-Present
- Mission Concept Academy (MCA) May 14-August 27, 2024
    - Receive mission development skills training each week from NASA scientists and engineers and collaborate with other students to design a mission-related team project.
  - NASA Proposal Writing & Evaluation Experience Academy (NPWEE) September 12-Present
    - Learn to effectively write a concept proposal that turns innovative ideas into reality. Gain experience in the process of writing, reviewing, and scoring proposals through the lens of a NASA reviewer.
- NASA Community Aerospace Scholars (NCAS)** July 2023-February 2024
- Mission 1: Discover July 26-August 30, 2023
    - Completed online modules including readings, videos, and assignments. Engaged with NASA experts through a speaker series. Culminated in a Final Infographic Assignment.
  - Mission 2: Explore October 30-November 3, 2023
    - Participated in a week-long career simulation, adopting roles as NASA employees to understand workplace dynamics and the importance of teamwork in achieving mission goals, focusing on lunar surface exploration.
  - Mission 3: Innovate January 29-February 2, 2024
    - Contributed to a Capstone Project addressing NASA's current challenges, developed innovative solutions, and presented findings to NASA professionals. Included two weeks of virtual collaboration and a week on-site at NASA Langley Research Center.

- First Robotics Competition (FRC) 5431; Titan Robotics** August 2017-Present
- Mentor - Supervise and work with the Electronics Lead of the electronics division of Titan Robotics
  - Programming Co-Lead - Taught, maintained, and supervised the programming and electronics division of Titan Robotics
  - Electronic Sub-Team Lead - Taught, maintained, and supervised the electronics division of Titan Robotics
  - OSHA 10-hour Construction Industry
  - Taking initiative and having problem-solving abilities
  - Working collaboratively with team members on assigned projects

- Embry-Riddle Future Space Explorers and Developers Society (ERFSEDS)** September 2021-May 2022
- Team Member; Project Cerberus and Project Kleos
  - Planned and designed an avionics bay for a model rocket
  - Planned and created a 5-pound ballast for a nose cone for a model rocket to stabilize the rocket during lift-off

- NASA High School Aerospace Scholars (HAS)** October 2019-July 2020
- Took a 2-part program about Aerospace
    - Learned about Aerospace and NASA Technologies October 30, 2019-February 26, 2020
    - Worked on developing a Rover July 27-July 31, 2020

## Work Experience

- FUN Robotics Network, FRC Correspondent, Hybrid** January 3, 2022-Present
- Write scripts to report events around the globe on multiple live shows.
  - Conduct live interviews with FRC teams that showcased their robot's mechanical and software abilities.
- Texas Instruments, AMHS Equipment Technician Intern, Richardson, TX** May 24-August 24, 2024
- AMHS technician at RFAB helping maintain automation hardware for a world-class semiconductor fabrication facility.
- Jimmy Burger, Assistant Manager, Plano, TX** June 3, 2017-May 23, 2024
- Grill different types of meats and veggies in many different ways for customers' enjoyment
  - Deliver exceptional, friendly, and fast service
  - Take care of customer complaints
  - Maintain and update the computers, Point of Sale systems, and tablets at the restaurant
  - Accurately record orders and partner with team members to serve food and beverages that exceed guests' expectations