

Jackson Ward

720-322-4789 | jacksonw1204@tamu.edu | linkedin.com/in/jackson-ward-333b992a9

EDUCATION

Texas A&M University, Mays Business School College Station, Texas
Master of Business Administration August 2027

Texas A&M University, College of Engineering College Station, Texas
Bachelor of Science in Computer Engineering May 2026

EXPERIENCE

National Aeronautics and Space Administration (NASA) Houston, Texas
Orion OSTEM Intern, Software Engineering and Dynamic Testing Branch May 2026 – August 2026

- Implemented hardware integration for software development and testing using Gitlab continuous integration framework to save hours of hardware testing in validation and verification of Core Flight Software (cFS).
- Contributed to team's efforts to perform validation functional testing for cFS, resulted in successful verification of software requirements.
- Configured a development computer for Core Flight Software development team to run functional and unit tests on flight certified computer at Lockheed Martin EDL-H testing lab; resulted in successful setup of new test computer, improving usability and processing speed on frontend of testing.

Texas A&M, Department of Computer Engineering, Senior Capstone Project College Station, Texas
Team Member, Autonomous Harmonic Drone Detection January 2026 – May 2026

- Created hardware circuit used for capturing of audio into binary audio file using Arduino microcontroller and breadboard compatible microphone.
- Implemented automated Arduino script to convert binary audio file captured by custom hardware into .wav file needed for AI usage.
- Trained machine learning model (convolutional neural network) to classify drones using visual inspection of audio file spectrograms, resulted in 90% confidence of classification of drones.

National Aeronautics and Space Administration (NASA) Houston, Texas
Orion OSTEM Intern, Software Engineering and Dynamic Testing Branch May 2025 – August 2025

- Performed task schedulability analysis, using low level C code analysis, to improve logic and reduce risk within cFS task scheduling for Artemis II and Artemis III Docking and Proximity Operations camera controller functionality.

LEADERSHIP & INVOLVEMENT

Texas A&M Men's Soccer Club College Station, Texas
Vice President (Member from August 2022 - Present) January 2025 – January 2026

- Managing financial and travel expenses for operations and games to ensure smooth processes for competition.
- Designed, approved, and sold club merchandise to club members and supporting groups to increase finances.

Texas A&M Freshman Leadership Organization College Station, Texas
Student Mentor August 2023 – May 2024

- Provided academic and social support to new students to help them transition into college environment.
- Organized social events and provided good example leadership, character, and respect among A&M students.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Microsoft Office, Java, JavaScript, HTML/CSS, C, C++, Python, MATLAB, SQL, Verilog, LT Spice. ARMV8 Assembly, RTEMS, Continuous Integration, Verification Functional Testing, Software Requirements Development

Activities: Freshman Leadership Organization Mentor, The Big Event, Texas A&M Club Soccer Team

Interests: Traveling, sports, technical side projects, and spending time with family and friends