

VICTORY ULASI

Arlington, TX | victoryulasi@icloud.com | (+1) 678-428-7907 | [VictoryUlas.com](https://victoryulasi.com) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Aerospace Engineering student at the University of Texas at Arlington with a 3.9 GPA and a licensed Private Pilot Certificate. Combines formal engineering coursework with hands-on project experience including STM32/Arduino based control systems, drone hardware, and thrust measurement instrumentation. Experienced in MATLAB, SolidWorks, C/C++, and rapid prototyping. Driven by curiosity and a hands-on approach to understanding how complex systems work.

EDUCATION

University of Texas at Arlington B.S. Aerospace Engineering GPA: 3.9	2025 - 2028
Chennault Aviation Academy Private Pilot Certificate, Single Engine Land	2024 - 2025
Sam Houston State University Computer Science GPA: 3.74	2021 - 2023

EXPERIENCE

Peer-Led Team Learning Leader – University of Texas at Arlington • Facilitate weekly problem-solving sessions for undergraduate Physics 1 students, guiding groups through collaborative work on mechanics, energy, and rotational motion. • Selected through a competitive process including an interview and a Calculus I proficiency assessment.	Arlington, TX
Lumber Associate -- The Home Depot • Delivered technical product guidance to 30+ customers per shift, applying precise measurement tools to improve purchase accuracy. • Supported contractors with material quantity calculations for structural projects.	Dallas, TX

PROJECTS

Intro to Engineering Design Final Project • Designed and 3D printed a fully automated Arduino-controlled mechanism in a team of 4, capable of acquiring and delivering ping pong balls into a target cup from 6 feet away within 30 seconds. • Integrated DC motors, drive wheels, and buck converters into a self-contained battery-powered system, implementing power regulation and motor control through custom firmware.	MAE 1351
Motor Thrust Stand • Designed and fabricated a motor thrust stand using a 10 kg load cell, HX711 amplifier, and NUCLEO-F446RE, logging real-time force and current data via MATLAB. • Applied the stand to characterize motor and propeller performance for drone diagnostics and performance validation.	Personal Project
F405 Drone Build • Assembled a fully functional drone from components including ESCs, flight controller, and motors, performing all wiring and soldering. • Tuned flight parameters and PID settings in Betaflight.	Personal Project
MATLAB Beam Solver • Developed a MATLAB solver for statically determinate pin-roller beams, computing support reactions via matrix equilibrium equations and generating shear force and bending moment diagrams.	Engineering Statics

AWARDS & HONORS

- Dean's List, University of Texas at Arlington -- 2026
- Dean's List, Sam Houston State University -- Fall 2021, Spring 2022, Fall 2022
- President's List, Sam Houston State University -- Fall 2021, Spring 2022

SKILLS

Engineering Tools: Microsoft Office Suite, SolidWorks, SolidWorks Simulation, MATLAB, 3D Printing and Prototyping

Programming: C/C++, STM32, Git/Version Control, Betaflight

Hardware and Electronics: Electronics Troubleshooting, Soldering

Certifications: FAA Private Pilot Certificate, Single Engine Land