

# Deanna Paladino

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**EDUCATION** Embry-Riddle Aeronautical University Daytona Beach, FL  
**Bachelor of Science, Aerospace Engineering** May 2026  
Area of Concentration: Rocket Propulsion GPA: 3.373  
Minors: Electrical & Computer Engineering

**PROJECT EXPERIENCE** **Experimental Rocket Propulsion Lab, (ERPL)** September 2022 – Present  
**Project Spectre**

- Student-run organization that strives to build a rocket with plans of being manufactured in the future.
- Member of the sub-team hardware & operations
  - o In charge of creating the canards and fins for the bottom of the rocket by using Fusion360 and 3D printing as well as piecing together the rocket. Specialized in parachute recovery systems and canard durability.

**Autonomous Maritime Robotics Association (AMRA)** January 2023 – Present

- Student-run organization that uses the engineering process to design, upgrade, and manufacture a fully autonomous submarine. Participates in the annual RoboSub competition where the submarine displays how well it can maneuver through obstacles and follow commands based on code.
  - o Treasurer and social media manager. In charge of budgeting, all organizational orders, and anything regarding finances. In charge of the social media platforms, website, and overall inventory

**Project Pandora** September 2023 – Present

- Student-run project creating an I-Teir high-powered rocket with roll control using, Fusion360 and OpenRocket for the design. This rocket will also implement other software like C++, Simulink, Arduino IDE, and MATLAB.
  - o Co-founder and Project Co-lead. In charge of the design, construction, and software development of the rocket.

**Airplane Project** January 2023 – May 2023

- Part of a course at Embry-Riddle, EGR 101, that consists of being in an airplane project. The goal is to find a reference aircraft and have it hold and transport 3 satellites 900 lbs. each, 5 passengers 170 lbs. each, and have a range of 1,500 nautical miles. The aircraft had to be able to get into a weight percent difference of +/- 10%.
  - o In charge of being the documenter and team lead for the entirety of the project

**SKILLS** *Engineering Software:* MATLAB, CATIA V5, Fusion360, OpenRocket, Arduino IDE  
*Office Software:* Microsoft Word, Excel, PowerPoint, Outlook  
*Google Workspace:* Google Sheets, Docs, Slides, Forms, Gmail

**AWARDS** ERAU Presidential Scholarship, Fall 2022 – Present  
ERAU Woman of Excellence Award, Fall 2022 – Present