

# Justin Yocum

330-610-7882

Yocumj3@my.erau.edu

## Education:

- **Embry-Riddle Aeronautical University** (Daytona Beach, Florida)
  - Bachelor of Science in Aerospace Engineering
    - Area of Concentration: Astronautics
  - 4.0 GPA
  - Member of the Honors Program
  - Expected Graduation Date: Spring 2026

## Project Experience:

**CATIA Class Project – Bear Proof Trashcan:** Worked with a partner to design a trashcan that could be used in parks to prevent bears from getting into the trash. We then modeled the trashcan in CATIA utilizing a variety of tools and workbenches.

**Autonomous Maritime Robotics Association – MateROV:** Currently working with a team to create a submarine to compete in the MateROV competition. Designed and modeled the sub in Inventor.

**MATLAB Class Project – Drag Racing Program:** Currently brainstorming ways to create a program that can be utilized by drag racers. I will then implement this in MATLAB.

**ERAU Endurance Eagles – Mazda Miata:** Currently working with a team to transform a Mazda Miata into an endurance racecar.

## Work Experience:

- **Shop Assistant:** *Austintown Fence Company* (Summers 2018-2022)
  - Organized equipment, materials, and stock.
  - Assisted in the installation and repair of fences.
  - Conducted maintenance and repairs on equipment and machinery.

## Technical Skills:

- CATIA V5
- Inventor
- MATLAB (In Progress)

## Involvement/Leadership:

- National Honors Society (2021-Present)
- Race in International Hot Rod Association's Modified Class (2021-present)
- ERAU Autonomous Maritime Robotics Association (2022-Present)
- ERAU Swim Club (2022-Present), *Secretary/Historian*
- ERAU Endurance Eagle (2022-Present)

## Awards:

- AP Scholar Award
- ERAU Presidential Scholarship