Thomas March

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Education

Embry-Riddle Aeronautical University
Bachelor of Science, Aerospace Engineering
Area of Concentration: Astronautics

Daytona Beach, FL
December 2024
GPA: 3.69

Experience

ERAU Experimental Rocket Propulsion Lab
Project Phantom Team Member

Daytona Beach, FL
September 2021 – Present

- Creating the GUI for our python-based solid rocket motor simulation program using the Tkinter library
- Planning to start building and testing solid motors in Spring 2022

ERAU Motorsports (Formula SAE)
Aerodynamics Team Member

Daytona Beach, FL
September 2021 – Present

- Created models of ideas for the front wing endplate re-design using Solidworks

ERAU Robotic Warriors
Harmacist Team Member

Daytona Beach, FL
September 2021 – Present

- Worked with three others to design a 3 lb. combat robot
- Plan to build and compete in spring 2022

FIRST Robotics Competition Team 4068
Marketing and Media Team Lead

Monument, CO
April 2020 – May 2021

- Re-designed the main team logo
- Designed 6 unique graphics for team social media

Projects

Chess Cards

December 2021 – Present

- Designing and building an interactive chess board to help memorize chess opening lines in Python using the Pygame library
- Plan to implement spaced repetition algorithm to decide the order in which lines are shown to the user

Graphical Communications Final Project

September 2021 – December 2021

- Created models and drawings for all 7 unique parts of a fountain pen in CATIA v5

Skills

Software

- Autodesk Inventor, Solidworks, CATIA v5
- MATLAB, Python

Other

- Intermediate level in French

Honors

- ERAU Dean's List Fall 2021
- ERAU Presidential Scholarship
- ERAU FIRST Robotics Scholarship

Extracurriculars

- Catholic Student Union Cabinet (2/21 – Present)
- Chess Club (9/21 - Present)
- Intramural flag footbal