Arial Space-Engineering

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**OBJECTIVE** To obtain a full-time, entry-level aerospace engineering position.

**EDUCATION** Embry-Riddle Aeronautical UniversityDaytona Beach, FL

# **Bachelor of Science, Aerospace Engineering** May 2023 Area of Concentration: Astronautics GPA: 3.52/4.0

**PROJECT Senior Preliminary Design Project – Rocket Capable of LEO**: Member of 7-person team

**EXPERIENCE** Created a plan with team for developing rocket based off of customer’s requirements, designed the solid propellant fuel tanks, modeled 3-stage rocket in CATIA, developed timeline for tasks, presented material to faculty.

**CATIA Class Project – Model 18 Speed Bicycle:** Member of 3-person team Dimensioned bicycle with calipers, modeled using Part, Assembly, Generative Shape, and Parametric Design Workbenches. Used Drafting and Real Time Rendering Workbenches to dimension and embellish.

**Turbine and Rocket Engines Project – Axial Compressor Stage Design Project:** Individual assignment

Developed axial compressor stage given design specifications, used engineering method, problem-solving skills and iteration to develop project design.

**INTERNSHIP** *Southwest Airlines* Dallas, TX

**EXPERIENCE Engineering Intern (Remote due to COVID-19)** January 2021 – Present

* Provide aircraft engineering support to line and check aircraft
* Review manufacturer bulletins and regulatory requirements on 75+ Boeing 767 and 777 aircrafts
* Investigate and provided dispositions for aircraft non-conformances resulting from in-service failure

**WORK**  *ERAU*  Daytona Beach, FL

**EXPERIENCE Resident Director**, Department of Housing and Residence Life June 2020 – December 2020

* Selected, trained, supervised and evaluated staff of 14 Resident Advisors
* Managed facilities and coordinated programs for two residence halls with 400 first-year students
* Adjudicated pre-hearing conferences for students violating housing and university policies
* Served on rotating on-call duty schedule as initial emergency response for crisis management

**Resident Advisor,** DHRL January 2020 – May 2020

* Developed community and an academic environment for a hall of 18 first-year students
* Provided crisis intervention, conflict mediation, counseling, tutoring and advisement
* Programmed social, academic, or educational activities at minimum on a biweekly basis

**Grader,** Physics Department January 2020 – May 2020

* Graded assignments of 40 students enrolled in physics courses and communicated

with professor ensuring correct documentation of grades

**SKILLS** *Engineering Software:*NASTRAN, CATIA v.5, MatLab, Programming in C, Simulink

*Office Software:*Microsoft Word, Excel, PowerPoint, Publisher, Access, Teams

*Technical:* Drafting, 3-D printing, CNC milling

*Languages:* Spanish (fluent), Italian (basic)

**LEADERSHIP/** College of Engineering Senator, Student Government Association, Spring 2021-Present

**INVOLVEMENT** Secretary, National Society of Collegiate Scholars, ERAU Chapter, Spring 2020-Fall 2020

Member, AIAA, Fall 2019-Present

**AWARDS** ERAUPresidential Scholarship, Brennan Scholarship, Spring 2021-Present

ERAU Dean’s List, Spring 2019-Present

ERAU Volunteer Network “Most Time Volunteered Award”, Fall 2020