

Arial Space-Engineering

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

EDUCATION Embry-Riddle Aeronautical University Daytona Beach, FL
Bachelor of Science, Aerospace Engineering May 2019
Area of Concentration: Astronautics GPA: 3.52/4.0

PROJECT EXPERIENCE **Senior Preliminary Design Project – Rocket Capable of LEO:** Member of 7-person team
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 EXPERIENCE *Southwest Airlines* Dallas, TX
Engineering Intern January 2018 – Present

- Provide aircraft engineering support to line and check aircraft
- Review manufacturer bulletins and regulatory requirements on Boeing aircraft
- Investigate and provide dispositions for aircraft non-conformances resulting from in-service failure

WORK EXPERIENCE *Embry-Riddle Aeronautical University* Daytona Beach, FL
Resident Director, Department of Housing and Residence Life January 2017 – December 2017

- Selected, trained, supervised and evaluated staff of 14 Resident Advisors
- Managed facilities and coordinated building wide 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, Department of Housing August 2016 – December 2016

- 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 August 2015 – December 2016

- 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
Technical: Drafting
Languages: Spanish (fluent), Italian (basic)

LEADERSHIP/ INVOLVEMENT President, Student Government Association, 2017
Secretary, National Society of Collegiate Scholars, ERAU Chapter, Fall 2016-Spring 2017
Member, AIAA, Fall 2015-Present

AWARDS ERAU Presidential Scholarship, Brennan Scholarship, 2015-2016
ERAU Dean's List, Fall 2015-Present
ERAU Volunteer Network "Most Time Volunteered Award"