

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 2009
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.

WORK EXPERIENCE *Embry-Riddle Aeronautical University* Daytona Beach, FL
Resident Director, Department of Housing and Residence Life August 2007 – Present

- Select, train, supervise and evaluate staff of 14 Resident Advisors
- Manage facilities and coordinate building wide programs for two residence halls with 400 first-year students
- Adjudicate pre-hearing conferences for students violating housing and university policies
- Serve on rotating on-call duty schedule as initial emergency response for crisis management

Resident Advisor, Department of Housing August 2007 – May 2008

- 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 and Engineering Science Department
Graded homework and quizzes for the following courses:

- PS 103 Technical Physics I, PS 104 Technical Physics II January – April 2007
- ES 307 Eng. Materials Science January – April 2007

Pediatric Orthopedic & Scoliosis Associates Annandale, VA
Administrative Assistant and Phone Receptionist Summer 2006

- Scheduled appointments for practice with 80+ patients daily
- Completed data entry into Medical Manager and organized patient information
- Multi-tasked to respond to phones, patients' questions and doctors' needs

SKILLS *Engineering Software:* NASTRAN, CATIA v.5, MatLab, Programming in C
Office Software: Microsoft Word, Excel, PowerPoint, Publisher, Medical Manager
Technical: Drafting
Languages: Spanish (fluent), Italian (basic)

LEADERSHIP President, Student Government Association, 2008
Vice President, Senior Class Council, 2007
Secretary, National Society of Collegiate Scholars, ERAU Chapter, 2007-2008

AWARDS ERAU Presidential Scholarship, Brennan Scholarship, 2007-2008
ERAU Dean's List, Fall 2008-Present
Who's Who Among Students in American Universities and Colleges, 2007
ERAU Volunteer Network "Most Time Volunteered Award"