

COLBY RICHARD DAVIS

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OBJECTIVE

Seeking an Aerospace Engineering position to develop career with a focus in dynamics

PROJECT EXPERIENCE

Rocket Design - Designed a solid rocket capable of launching a payload into low Mercury orbit from Earth, using STK software to determine optimal trajectory and combustion performance analyzed using Chemical Equilibrium with Applications (CEA) software.

Satellite Design – Designed CubeSat capable of tracking shipments over the Pacific Ocean. Planned electricity requirements to operate most efficiently. Presented plans before a board to seek approval of the operation.

Micro-g NExT – Led a team of nine Underclassman to participate in Micro-g Next challenge by NASA. The team submitted proposals of designs to NASA, including 3-D models, and simulations.

Ball Launcher – Managed Finances of a college project working with five others. Built and modeled using CATIA, a tennis ball launcher to meet financial and physical guidelines.

Airplane Project – Calculated and designed an aircraft in a group of four people using MATLAB and CATIA to meet given criteria. At the end of the work period, a presentation was given to show off the aircraft design and its benefits.

EDUCATION

May 2024	Embry-Riddle Aeronautical University Bachelor of Science in Aerospace Engineering <i>Area of Concentration: Astronautics</i>	Daytona Beach, FL GPA – 3.26
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WORK EXPERIENCE

2020	JCPenney's Seasonal Cashier <ul style="list-style-type: none">• Cooperate with staff to accomplish set goals• Persuade and sell to potential customers• Manage purchases and refunds	Cape Girardeau, MO
2017– 2019	Hawg Pit Kitchen Staff <ul style="list-style-type: none">• Maintain clean and safe work environment• Time management with multiple co-workers in fast-paced environment• Manage staff execution of daily tasks	Fruitland, MO

SKILLS

COMPUTER: Experienced in Python, MATLAB, CATIA, OFFICE 365, Solidworks, FORTRAN, STK, Simulink, Nastran
LANGUAGES: Spanish (Intermediate), English (Native)

ACHIEVMENTS

2021-22 Embry-Riddle Aeronautical University Dean's list
ERAU Presidential Scholarship
2016-2020 Jackson Senior Highschool A Honor Roll

