Colby Richard Davis

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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.

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

Ball Launcher – Managed Finances of a college project including five people. 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**	Daytona Beach, FL
	Bachelor of Science in Aerospace Engineering	GPA – 3.48
	Area of Concentration: Astronautics	

WORK EXPERIENCE

2020	**JCPenney's Seasonal Cashier**	Cape Girardeau, MO

- Cooperate with staff to accomplish set goals
- Persuade and sell to potential customers
- Manage purchases and refunds

2017– 2019	**Hawg Pit Kitchen Staff**	Fruitland, MO

- Maintain clean and safe work environment
- Time management with multiple co-workers in fast-paced environment
- Manage staff execution of daily tasks

SKILLS

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

ACHIEVMENTS

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