

AEROSPACE ENGINEER

QUALITY ASSURANCE | PROJECT MANAGEMENT | TEAMWORK

College graduate possessing Bachelor of Science in Aerospace Engineering and experience in the engineering field. Analytical professional with sound knowledge of engineering principles, technologies, and methodologies and adept at resolving complex issues and improving technical processes. Skilled at organizing project resources to accomplish goals within timelines. Proficient in MATLAB, Python, LaTeX, Excel, SolidWorks, and AutoCAD.

Engineering Principles ♦ Problem Solving ♦ Critical Thinking ♦ Cross-functional Collaboration ♦ Leadership
♦ Process Efficiency ♦ Adaptability ♦ Effective Communication ♦ Project Management

EDUCATION

Bachelor of Science in Aerospace Engineering with Minor in Business

University of California, San Diego (2020)

PROJECTS

Aircraft Design Project: University of California, San Diego (2020). Created short range and high-capacity aircraft design that reduced air traffic, airport ground congestion, and CO2 emissions. Utilized MATLAB and Python coding programs to create system that outputs required parameters with given design inputs.

Aerospace Laboratory Research: University of California, San Diego (2019). Analyzed pressure distribution of air foils in wind tunnels at varying angles of attack. Examined fundamental principles of angular momentum, open and closed loop controllers, and coupling within gyroscopic reaction wheel systems. Characterized state-space model, state-feedback control, and closed loop position control of two-degree of freedom systems, such as helicopters and spacecrafts.

PROFESSIONAL/VOLUNTEER EXPERIENCE

Parker-Meggitt, San Diego, CA

MANUFACTURING ENGINEER I

2022

- Provided expertise in developing a range of engineering solutions to improve manufacturing of products
- Improved current production processes to manufacture products
- Participated in developing and maintaining documentation for processes and designs
- Solved problems in straightforward situations; analyzed possible solutions using technical experience

Belcan, San Diego, CA

2022

ENGINEERING ADMINISTRATOR, MEGGITT

- Managed and evaluated parts submitted to the Material Review Board (MRB)
- Collaborated with engineering technicians and manufacturing engineers to investigate nonconforming parts and provide dispositions accordingly
- Developed appropriate work instructions to implement solutions to provided dispositions
- Provided daily breakdown on all dispositions done within the division to all engineers within the program
- Trained engineering technicians on proper MRB procedures when investigating and dispositioning parts

Navy Gateway Inns & Suites, NAWS China Lake, CA

FRONT DESK ASSOCIATE

2021

- Registered and assigned rooms to guests while ensuring security and privacy is maintained.
- Collaborated with housekeeping and maintenance to guarantee clean and functioning rooms to guests.
- Oversaw records of occupied rooms and guest accounts and presented statements to and collected payments.
- Prepared close bank reports and deposits at the end of each shift in accordance with established procedures.

Marine Corps Exchange Main Store, San Diego, CA

2019 - 2020

SALES ASSOCIATE

- Provided top-notch customer service and support to guests and achieved sales goals.
- Oversaw merchandising, displays, and appearance of assigned areas, ensuring alignment with brand standards.
- Partnered with cross-functional managers to execute corporate programs and promotions.
- Assisted customers in locating and selecting products, as well as completed sales transactions.