

Jasmin Fonseca

Aerospace Engineer

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Los Angeles, CA



Enthusiastic and detail-oriented aerospace engineering graduate with a strong foundation in aircraft design, aerodynamic testing, and propulsion systems. Eager to contribute to innovative projects and further develop engineering skills in a dynamic environment.

Experience

May 2024 - August 2024

Aerospace Engineering Intern

Orbit Aero / Los Angeles, CA

- Assisted in the design and testing of UAV components, contributing to a 10% improvement in flight stability.
- Conducted aerodynamic simulations using ANSYS, providing critical data for design optimization.
- Collaborated with senior engineers to develop technical documentation and reports, enhancing communication skills.

June 2023 - September 2023

Research Assistant

Flight Dynamics Solutions / Pasadena, CA

- Supported research on advanced propulsion systems, leading to a 5% increase in fuel efficiency.
- Conducted experiments and collected data for aerodynamic studies, improving the understanding of airflow dynamics.
- Presented research findings at university symposiums, earning commendations for clarity and thoroughness.

Senior Project

January 2024 - April 2024

Hybrid Electric Propulsion System

- Led a team of four students in designing and testing a hybrid electric propulsion system for small aircraft.
- Utilized MATLAB and ANSYS for simulations and performance analysis.
- Presented the project at the UCLA Engineering Expo, receiving positive feedback from faculty and industry professionals.

Education

Bachelor of Science in Aerospace Engineering

2020 - 2024

University of California, Los Angeles (UCLA)

- Relevant Coursework: Aircraft Design, Fluid Mechanics, Propulsion Systems, Aerodynamics, Control Systems
- Honors: Dean's List (2022-2024)

Skills

Aerospace Structures ●●●●●

Aircraft Design ●●●●●

Flight Test Engineering ●●●●●

Propulsion Systems ●●●●●

CAD/CAM Software ●●●●●

Stress Analysis ●●●●●

FAA Regulations Compliance ●●●●●

Fluid Dynamics ●●●●●

