

123 Propulsion Lane
Space Coast, FL 32555

September 19, 2007

Mr. John Smith
Human Resources Manager
Lockheed Martin Corporation
555 Aerospace Way
Anytown, TX 58965

Dear Mr. Smith:

I am writing this letter in reference to the entry-level aeronautical and mechanical engineering positions currently being offered on your company's employment website. As an engineering student who identifies deeply with aviation, it is my aspiration to join Lockheed Martin to ultimately bring about further innovation, safety, and efficiency to its processes.

I am a resourceful and particular individual when it comes to engineering—emphasizing thorough research to yield presentable and proper work. While I stress creativity and innovation in the design process, I also believe that the simple solution, where appropriate, holds great value. I am also an individual marked with a strong motivation to gain proficiency in new disciplines. This can be demonstrated through the expertise that I have built up in instrument flight procedures, piloting techniques, and the operation of avionics systems. I believe that my aviation knowledge allows me to offer an aviation perspective to the engineering environment, which I believe to be important in the context of a company that is dedicated to aviation, such as Lockheed Martin.

Over the past two years I have gained valuable engineering and leadership skills—most notably as the lead engineer of a five-member team, where I devoted about four months and 25 hours per week to a preliminary aircraft design project. When faced with demanding task completion deadlines, I focused on improving process efficiency by implementing parametric CAD modeling processes and by working closely with team members to identify and relate their skills and interests to work task assignments. This vastly reduced the extent of rework time required for each iteration and played a significant role in allowing our team to place first out of a total of eight teams. I am also familiar with the lean aerospace initiative and have experience in mapping stakeholder requirements and reorganizing workflow.

In a recent detail design project, I gained experience in the use of iteration and sizing in refining the design of structural components and have developed skills in interpreting the reliability of finite element analysis results. I am also aware of the importance of considering corrosion and fatigue when predicting failure modes involving crack propagation.

I invite you to take a look at my resume and look forward to hearing from you soon about becoming a part of the team at Lockheed Martin. If you may require any additional details, please do not hesitate to contact me. Thank you for your time and consideration.

Sincerely,

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