

123 Propulsion Lane  
Space Coast, FL 32555

December 9, 2011

Ms. Mary Nelson  
Human Resources Manager  
Gulfstream  
555 Aerospace Way  
Savannah, GA 33171

Dear Ms. Nelson:

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

I am a resourceful 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 attribute 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 building advanced business jets such Gulfstream.

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 CATIA V5 and have experience in designing scaled models of Boeing 787-8 aircraft.

In a recent detail design project, I have 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.

Would you please consider my request for a personal interview to discuss my qualifications for this opportunity? Should you need to reach me, please feel free to contact me at 847-XXX-4099 or [John.Smith@my.erau.edu](mailto:John.Smith@my.erau.edu).

Thank you for your time and consideration.

Sincerely,



John Smith