**Jeremy Maniago**

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*11/02/2022*

*Lockheed Martin*

*Huntsville, Alabama*

*Job ID: 604593BR*

Dear Lockheed Martin hiring manager:

Upon exploring career opportunities ­on the Lockheed Martin website, I was delighted when seeing the listing for the Aerothermal Engineering Intern position. Currently, I am a junior pursuing a Bachelor’s in Mechanical Engineering at The City College of New York: The Grove School of Engineering. With experience in academic engineering classes (CAD, Thermodynamics, Statics and Dynamics, Mechanics of Materials, Materials Science, Numerical Methods, Fluids) and extracurricular engineering clubs, I feel that I am a strong candidate for this internship position.

My engineering coursework has molded my understanding of engineering concepts, design, and testing. As per my resume, I have sufficient experience in Solidworks through projects such as reve­rse-engineering a handheld portable fan and designing drive shaft guards that integrate well into a SAE (Society of Automotive Engineers) Baja Car’s chassis and transmission. Along with a team, I was tasked with designing the landing gear for the AIAA (American Institute of Aeronautics and Astronautics) RC Plane, in which we accounted for drag, strength, cost, and overall stability. Through a workshop, I was able to learn how to use CFD on an airfoil that was defined from a table of points in excel, and then applied this to the landing gears we designed and ended up picking one over the other due to better aerodynamics and stability. These experiences justify why I am a strong candidate for this internship – I would be willing to apply these concepts while being able to learn and adjust to new ones.

I noticed that your job listing desires proficiency in Microsoft Office and excellent written/verbal communication skills, both in which I have an immense amount of experience in through written lab reports for both material testing and mechatronics testing. Throughout the America On Tech program designing websites, the reverse-engineering project, the SAE club, and the AIAA club, I honed my teamwork and communication skills by having an open mind and being willing to learn from colleagues, from past designs, and from my own mistakes.

For further inquiry, there is more information about my experience, skills, achievements, and coursework on my resume. I am kindly requesting the hiring manager for an interview for this intern position. You can contact my phone (347-720-1040) or my email ([jmaniag000@citymail.cuny.edu](mailto:jmaniag000@citymail.cuny.edu)) to arrange the meeting place and date. I would be glad to disclose and describe additional skills that may align and further advance the goals of Lockheed Martin Space. I will be waiting to hear your reply, hope to hear from you soon!

Best Regards,

*Jeremy Maniago*