**Jeremy Maniago**

phone: 347-720-1040 / email: [jmaniag000@citymail.cuny.edu](mailto:jmaniag000@citymail.cuny.edu%20)

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*11/03/2022*

*Lockheed Martin*

*Orlando, Florida*

*Job ID: 613804BR*

Dear Lockheed Martin hiring manager:

When seeing the listing for the Mechanical Engineer Intern position through the Lockheed career page, I had to immediately take my chances and apply. 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 sketching and referencing sketches for Solidworks through projects. The

reve­rse-engineering project for my CAD class required a team to re-build a handheld portable fan without any manuals. This is where my 2-dimensional mechanical sketches lay the groundwork for designing this fan in Solidworks. With teamwork, we were able to entirely convert multiple 2-D sketches into a 3-D model almost identical to the portable fan. In extracurricular clubs, before modelling in Solidworks, a sketch was always involved. Drawing and dimensioning a hand sketch of a driveshaft-guard for the SAE (Society of Automotive Engineers) Baja Car was essential in making the model a perfect fit into the chassis of the car. Sketching and locating the landing gear for the AIAA (American Institute of Aeronautics and Astronautics) RC Plane based on its center of gravity allowed for proper changes to the fuselage. 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 RMS. I will be waiting to hear your reply, hope to hear from you soon!

Best Regards,

*Jeremy Maniago*