Daniella Donn

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Dear Hiring Manager,

As a passionate engineer with 5 years of experience in C.A.D., SIX SIGMA training, programming, and various other technical skills gained through my education at R.I.T., I am excited to see your opening for a Mechanical Engineering position. Considering my skills, internship experiences, and the desire to learn more, I am confident I possess the key credentials to make an immediate impact at MACOM.

During the past 5 years at RIT, I have learned a multitude of engineering software to practically use in many different types of projects. These engineering softwares include SolidWorks, MATLab, E.E.S, F.E.A., and Automation Studio. Although each project is different, the six sigma method is used to bring the main idea from start to finish. This method is the D.M.A.D.V. approach, each letter being a specific stage in the process. This acronym stands for Define, Measure, Analyze, Design, and Verify. This process normally utilizes all the engineering software stated above, Solidworks and Automation Studio for design, F.E.A. for Analysis, and MATLab and EES for Measure. While in the process of obtaining my SIX SIGMA Green Belt Certification, our group had to use all the software mentioned above to create a working prototype of our project: the Automatic Disk Launcher. Ever since learning this method, I now use it for every new project.

My previous internships have also given me experience in the workforce that have given me new skills as well as opened my eyes to manufacturing processes and automation. Acuity Polymers was my first internship where my title was a Mechanical Engineer. My main responsibilities involved learning what the manufacturing process was and how to improve upon it. A big project, which is still in the process of being complete, was turning a manual cast molding process into a semi-automatic one. It was my job to come up with ways to make the cast molding process easier and really allowed me to understand how to improve a process. Jabil was where I did my second internship and was when I discovered automation. My title was Manufacturing Engineer and my main responsibility was to help improve the facility and the processes done there. The way I improved the plant was by applying automation. I was given a project which involved learning to code in python to use object detection and machine learning which can recognize defects on a product. This opened up an entirely new world to me as I learned how to code and made me want to focus on automation for the rest of my time at RIT, resulting in learning Ladder Logic for PLC programming.

I have applied with my resume for this position detailing my work experience and project work. I feel as though my skills and experience align well with this position, and I look forward to learning more about the Mechanical Engineering position at MACOM. I can be reached anytime by phone at 914-413-3898 or by email at danielladonn@gmail.com.

Thank you for your time and consideration. I look forward to speaking with you soon.

Sincerely,
Daniella Donn