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Dear Hiring Manager,

As a mechanical engineer with a passion for coding and robotics I am excited to see your opening for the Test Engineer at Shark Ninja. Considering the skills I have gained through my 5 years of R.I.T, previous internships, and the desire to learn more, I am confident I possess the key credentials to make an immediate impact at Shark Ninja.

My previous internships have 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.

Although I was pursuing a Mechanical Engineering degree at R.I.T, my previous internships introduced me to the world of robotics and automation, prompting me to choose it as my primary area of interest. As a result of this choice I have taken classes that have taught me how to program PLCs with ladder logic using studio 5000, program Fanuc and ABB robots, and learn how to work with microcontrollers as well as program them in C and use Quartus Prime. I have done some real world projects applying the skills mentioned above. For example, I have programmed pick and place robots to automate a task, programmed an automatic garage door opener using ladder logic on an Allen Bradley PLC, and even programmed a traffic light simulator using Quartus Prime and C on a microcontroller. I want to learn more about the robotics and automation realm and have begun doing personal projects at home to improve my knowledge and skills in this area.

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 Test Engineer at Shark Ninja. 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