**Jessie Spano**

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TA Instruments

159 Lukens Drive

New Castle, DE 19720

February 17, 2019

**RE: Manufacturing-Summer Intern Job # 9617**

Dear Hiring Manager:

As an electrical engineering student at Widener University, I am writing with enthusiasm to apply for the Manufacturing-Summer Intern position. TA Instruments’ belief in creating products that are innovative, accurate, and easy-to-use inspires me and the opportunity to assemble, test, and troubleshoot sub-assemblies and instruments is exciting. I believe that my skills and interdisciplinary research experiences are well aligned with this internship position.

Throughout my time at college I have successfully balanced a rigorous course load with a wide range of extracurricular activities that have enhanced my engineering skills. Currently, I am working on a research project focused on the design of a low-cost lead detection device to identify lead in water. For this project, I am involved with designing a printed circuit board for the prototype using a PCB design software, referencing information from supporting data sheets, and assisting in writing the C++ code to establish communication between the microcontroller and the potentiostat board. Through this process, I work with my team to utilize multimeters, oscilloscopes, and other tools and devices to conduct testing on the prototype. I am enjoying this learning experience and would value the chance to apply its principles within a manufacturing setting.

I have enclosed my resume and would appreciate the opportunity to meet and further discuss my qualifications. Thank you for your time and consideration.

Sincerely,

Jessie Spano