Student: Zachary Swinnerton

Title: Raytheon Technologies Internship

Sponsoring Company: Raytheon Technologies

Sponsoring UWT Instructor: Dr. Massimiliano Laddomada

Abstract

For Summer of 2020, I was hired as an intern by Raytheon Technologies in Richardson, Texas. My tasks as an intern included learning MATLAB code, understanding image processing techniques, and applying this knowledge to assist in laboratory testing and calibration of equipment. I worked on Raytheon’s advanced mid-wave infrared camera systems that they use in multiple platforms to assist the warfighter. This internship proved very useful in my educational progression. I gained new programming skills that I plan to use in my senior year, applied mathematical equations which helped solidify my learning, and networked with other engineers working in real world settings. This opportunity was very rewarding and opens many doors for my future career goals as an Electrical Engineer.