

**Student name:** Michael Potter

**Academic level:** Undergraduate Statistics; Statistics, Texas A&M University

**Impact Statement:**

During my time as an intern at TTI, my involvement on the Safe-D project sparked my professional growth through the skills I developed in my work. I was introduced to cloud computing using Azure Databricks and spent my time writing and editing R scripts. These scripts processed raster precipitation data at a high spatial and temporal resolution. This experience benefitted my education as I have used R programming and cloud computing as it is required in many of my college courses that I have and will take. In addition to programming, I became acquainted with ArcGIS and related software, which allowed me to visualize what I was working on in my portion of the Safe-D project. Overall, this experience gave me a great first step in working with big data, and has prompted me to pursue graduate studies in data science with an emphasis in cybersecurity. I was very honored to have worked on this Safe-D project evaluating the efficacy of wet-weather pavement markings, and although I did not see the project to its completion, I hope it impactful in what it found and accomplished.