## Original Work Development

Weekly Report 11: 10/28 - 11/3

In the Independent Study Mentorship program, we develop an original work to showcase at the end of the first semester at research showcase. The original work illustrates a culmination of our research throughout the year.

This past week in ISM I was able to begin the development process of my original work. In doing so, I was able to apply my extensive research to a real-life product.

Because the original work encompasses a semester's worth of research, some challenges arose along the way. One such challenge was not having enough information over certain topics to be able to develop those very parts in the original work. Despite this challenge, it allowed me to formulate my next topics for research. Another challenge that arose was taking the first dive into some of the libraries and tools that are currently being used in the original work. To overcome this, referring to the documentation of these libraries and tools was essential as they completely explain everything.

Reflecting for the future, starting the development process of the original work early one is extremely beneficial in the long run. This is because it allows me to lay out a pathway for the research that must be done in order to completely finish the original work as well as give me an overview of the progress of the project as a whole. Additionally, by starting on the original work, this prepares me for industry-level work because of the first-hand experience gained through working on such projects. In the future, whether it is in college or work industry, I will have an edge up because of this experience.