Design Document

For the AR/VR project I have decided to design a Virtual Reality interface that uses the HTC Vive and the vives hand controllers. I was also planning on integrating an Arduino into this interface, however due to various reasons this wasn’t possible. However in this document I will outline how I was planning on setting the Arduino and Vive up to work with the game.

The game that I was planning on integrating this interface into did not have a playable build that I could work with. However I did make my own test environment to test out the Vive and Arduino in.

The idea was for the player to be holding two objects in their hands, which are tracked by the vive controllers, then when the player brings their hands closer together the weapons that the player is holding switch.

This would have been done by using the Arduino with an infrared proximity sensor attached to a glove