

STATUS REPORT 2

DATE: 5 October 2017
TO: Timothy F. Wheeler
FROM: John Cunningham
SUBJECT: Status Report 2

UPDATE:

Our sponsor provided us with the HoloLens hardware and Brandon and Mike got the Arduino and a sensor to use for our project. Brandon and Mike have soldered the small sensor to the Arduino and ran tests by connecting it to the computer. With the Arduino and sensors functioning properly, they will be able to give us the angles needed for the trajectory. The angles and velocity formulas for the trajectory are being calculated by Hill and Akhil and will be applied in the code that I have been working on.

I created a basic program in Unity that I then tested on the HoloLens to make sure that I understood how to get the object to project on the HoloLens. Next, I found and created a program that created a trajectory in Unity and can be manually modified. I am working on getting it to project in the HoloLens. This is a key step because next I will be able to modify the code to allow the trajectory to be changed based on the data read in by the Arduino and sensors rather than by me manually modifying it. The team and I are making good progress and currently do not have any significant issues.