

## Daily Log

### Monday September 16

I helped my partner research some things for classification. We have decided not to use neural networks. Instead we are using the classification systems I researched last week. We wanted to finalize this, as our proposal included a classification neural network. I began to work on the colab video but didn't have much time.

### Tuesday September 17

I worked more on the video processing. The google colab tutorial only allows you to display images using numpy, but not videos, within the program. I was trying to show the video in the same fashion but kept throwing errors. At the end of the block, I found one person who wrote a completely new video file.

### Thursday September 19

I tried to implement the writing a new video file but had some trouble figuring out file paths and other specifications for the videos. There are still a couple bugs with the video writing but it's more or less operational.

## Timeline

Date	Goal	Met
9/9	Download and use OpenCV	Yes and No. OpenCV is not intalled on my personal machine but I will be using Google Colab.
9/16	Film hand waving video and begin video analysis	Yes, the hand waving video is filmed and may need to refilm as my hand goes slightly out of frame but will require further testing.
9/23	Track Hand Movement and finish video analysis	No, the colab and CV interface was more complicated than I initially thought.
9/30	Track Hand Movement and finish video analysis	
10/7	Begin to place skeletal model on human	

## Reflection

I ran into some compatibility issues I did not anticipate. I was hoping to start developing a skeletal model on a video this week but because of the video problems I had, I will have to delay it another week. I will have the hand tracking video by the end of this week. I just need to fix some of the bugs with the program, such as the boxed area nad the video writing with the box.