Ryan Mendoza CS 498

CS 498 Weekly Report 03/20/2021

**What I’ve Done:**

* Tests with multiple people still seem to be running smooth.
* Started doing tests with the individual’s face being obscured, gradually obscuring it more and more to see how the results changed.
* A normal comparison without obscurity is the same it has been, nothing but good here.
* After covering the chin, the results didn’t change much.
* After covering the mouth, the results dwindled, making the matching less accurate.
* Once the nose was covered, the results started to tank. I expected this, but it did end up still having correct matches.
* Anything above the nose being covered, like the eyes, resulted in no matching at all.
* I had an issue with writing into the .csv files. While I was comparing it started to write unnecessary data, I ended up fixing this by just making the findings unique.
* After running these tests, I finished off my week by researching Tkinter.

**What I’m Going to Work On:**

* With expected results on when the recognition system starts to fault, I’m going to upload images with the faces being covered differently. I then will compare those to the covered face on the webcam feed. Perhaps this will give different results? We will see.
* After working with the above, I will start the GUI portion of the project. First by creating random sample GUI’s on redundant programs to teach myself.
* After that I will move into creating the GUI for the project at hand.

**What I’m Stuck On / Questions:**

* No roadblocks this week, took things a tad slower as it was midterms week. I wanted to ensure I solidified good grades, nothing but A’s were achieved which is fantastic.
* For the GUI, the things I am looking to include first are: A start/stop button and an information button explaining what to do. The webcam feed will also still popup as it did when it is run by command line.
* Aside from those, the upload CSV of roster with student ID photos, and the download CSV of attendance based on recognition results is there anything you’d like to see?
* I ask this because I do think it is possible to make the CSV portions of the GUI work like we talked about earlier in the semester. If I end up getting them working I’d like to try new things.