

Weekly Status Report

Week 5

Name: Joe Lanzi

Activities and Accomplishments

- Finished the facial recognition capable of identification of persons with facial coverings with over 99% accuracy
- Finished a local Website in Html5, CSS3, and JavaScript
- Finished database and a local Webserver in C capable of running html, css, and javascript which fully integrated all the software together in a local storage device
- Created a full software handler capable of automating all task to completion and integrating entire system
- Created a network capable of wide world access

Problems

- Facial Mask eliminates simple methods and causes expensive computations that must be solved with dedicated GPU's locally or cloud-based computing

Plans

- Improve software and wait for the hardware to be done

Individual Hours Worked This Week on the Project

(Note: This is the total number of hours you actually worked on Capstone. Eg, if you have a team of 4 people, you worked together for 2 hours this week. **Individually, you worked 2 hours/4 =0.5 hour this week. You put 0.5 here.**)

I worked on the project for **15 hours**

The group met for a total of **3 hours/5 people = 0.6**

15.6

Discussion

This week, I created multiple training modes in a RCNN to maximize accuracy. I changed the models parameters and created 10 different models and picked the best model that can predict the groups faces. I also wrote the system handler to take inputs from the csv files and automatically export all the data into a database csv to then be imported into the website. I have started looking into the acceptance testing and seeing what I can complete while waiting for the rest of the hardware