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CS 498 Weekly Report 02/27/2021

**What I’ve Done:**

* Researched how to go about comparing images to one another within the OpenCV library.
* Figured out how to convert BGR formatted images to RGB, this let me match different images together within the system.
* First version of the recognition system set up.
* System has specific people and images of them given to do comparisons.
* This initial version uses the above mentioned conversion of BGR images to RGB to compare different frontal facing images of the same individual to one another.
* After testing, this ended up being accurate and allows me to move onto the next step in the project.

**What I’m Going to Work On:**

* With having the ability to give the recognition system specific people to identify, this will let me move on to having a webcam detect multiple faces from a live feed.
* After detecting the faces, the system will cut out a face image for comparison.
* Once the face image is cut out I will then work on having the system give feedback as to who is in the image.

**What I’m Stuck On / Questions:**

* Things are still going quite swell and I am moving swiftly! No questions or roadblocks yet!