

Face Recognition

- **Description**

My project proposal is Face Recognition, in this project I would like to give to the program several pictures of different people and then the program would decide (using the webcam) which person is facing the camera.

- **Objectives**

The main objectives of this project are to correctly predict which person is facing the camera and, if possible, give a certain percentage of certainty. It would be great if I could make an interface to the program so that anyone could have their pictures.

- **Hardware and Software**

The software I will use is OpenCV with Python or, maybe, MATLAB.
The hardware I will use is the webcam of a laptop.

- **Sources**

<https://www.hackster.io/mjrobot/real-time-face-recognition-an-end-to-end-project-a10826>

https://docs.opencv.org/2.4/modules/contrib/doc/facerec/facerec_tutorial.html

<https://realpython.com/face-recognition-with-python/>

<https://realpython.com/face-detection-in-python-using-a-webcam/>

<https://www.superdatascience.com/opencv-face-recognition/>