README

Packages to import:

• Requirements for imports are OpenCV, Pillow, Pickle, Os, numpy glib, requests

• We used OpenCV features to help with this project

• We used “haarcascade\_frontalface\_default.xml” to help detect faces in the webcam

• We used faces-train.py to train the algorithm and to create our own yml file

Folders Outline

- data set

-names of insta account, and photos

- encode\_faces.py

- encodingss.pickle

- Insta\_Info\_scraper.py

- users.txt

- main.py

Applications

Law enforcement - recognition of criminals, finding missing children

Example: instead of instagram, there will be a database with all the information of people. and their IDs such as social security numbers. The application can pull out information from this database based on the face detected. It will identify who the person is. theoretically, with better and better algorithms and training, the machine should recognize and classify faces better than the average human.