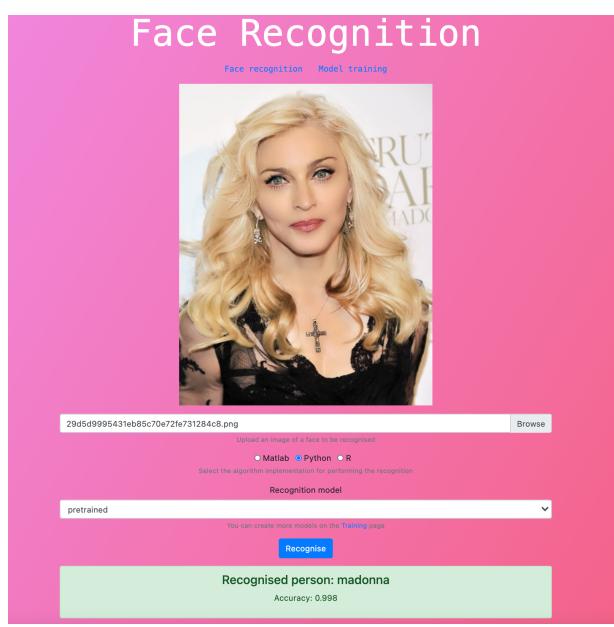# POLITECHNIKA WARSZAWSKA

The project of an integrated application for face identification by an artificial neural network
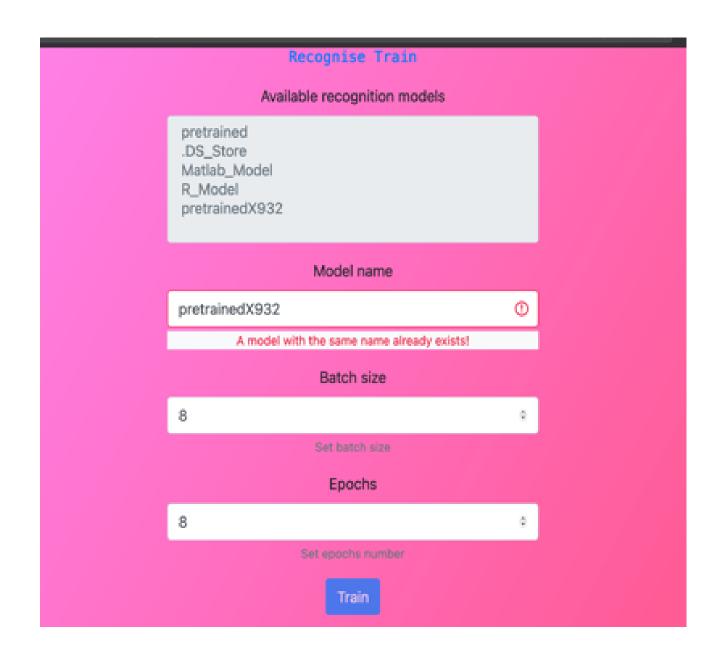
Authors: Jianhao Luo, Igor Sałuch, Jiyi Zhu
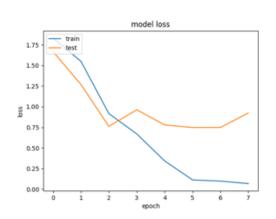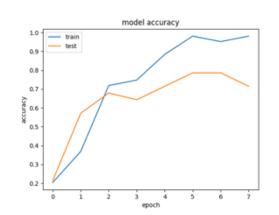Dissertation advisor: dr hab. inż. Jerzy Balicki

PW

RECOGNITION

MODEL TRAINING

THE GOAL AND WHAT IT DOES

Compare the efficiency and differences of training ANN in three programming languages(Python, R, Matlab), and evaluate our model performance on a small data set.

Upload random face of people that saved in the database

By giving necessary parameters, train and save the model manually for further use.

EVALUATION

R and Python both use tensorflow, but Python supports better. Matlab is apparently slower than tensorflow.
Python(10secs) > R(20secs) > Matlab(50secs)

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