האוניברסיטה
העברית
בירושלים

Final project – POST-PC

Fake or Real

Team members:
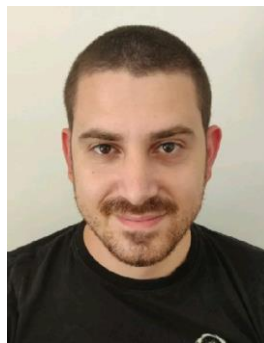
| Eden Elmaliah | Dov Edelson | Shahar Jacob |

Demo:
https://www.youtube.com/watch?v=P8DNf-Jdvt4&feature=youtu.be

Github:
https://github.cs.huji.ac.il/dov-edelson/FakeOrReal

Google Play:
https://play.google.com/store/apps/details?id=com.fakeorreal.fakeorreal

Presentation (all the information in this paper taken from there):
https://docs.google.com/presentation/d/1pSxqDPXR3Hw_fvEtNo_zOoO8emQqyXBipM1IkTDhv6U/edit?usp=sharing

Concepts

Our application is based on StyleGAN – a network using the GAN principles, which allows to generate fake faces. Distinguishing between real/fake images is hard, but possible.

Our idea is to let users try to guess which image is real and which is fake!

Technical Description

- We built users system management using Firebase.
- Loading images using Google API
  - We used the cache to optimize the loading time
- Communication between users
  - Users can challenge each other
- Marketing and advertising the product by the users
  - Share the image in social media (width app logo & link)

Added Value

Since we are working with google API, we can store users information and also images information. In particular, we want to store statistics of fake images that were identified as such by the users, which means they are not good enough.

Future work will be look for common features in these images!