

Bautista, Domingo, Tan

Motivation

Messaging app Snapchat has a filter that enables users to see a gender-swapped version of themselves.



Challenge

What if it can be done to anime characters?







Ideally, this is what happens.

However, obtaining paired data is impractical.

Source: プリズム☆ま~じカルPRISM Generations!

Dataset

Raw images are <u>obtained</u> from visual novel site Getchu¹
Images are then manually <u>sorted</u> according to gender, with some quality control enforced
Sorted images are <u>cropped</u> via a face detector for anime/manga², and then <u>scaled</u> to **256x256**Badly cropped images are removed

Image count:
Male ~1,200
Female ~4,200

¹http://www.getchu.com

²https://github.com/nagadomi/lbpcascade_animeface

Dataset

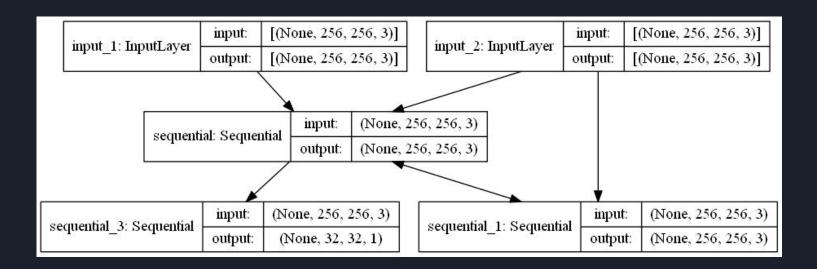




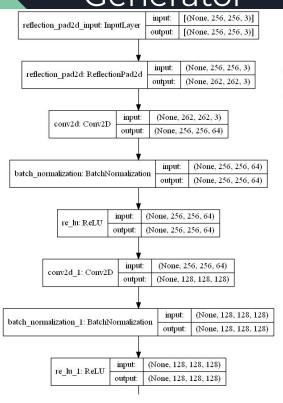
Sample of female faces

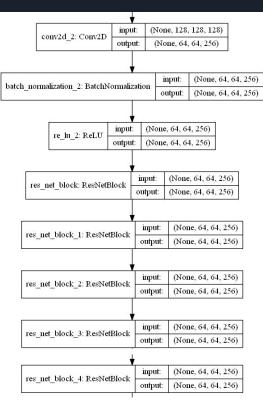
Sample of male faces

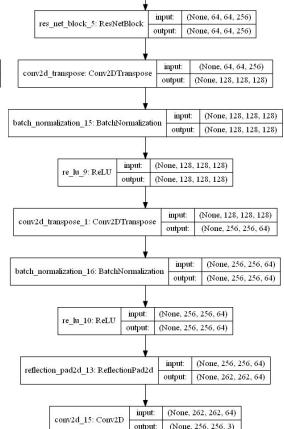
Top-level Architecture



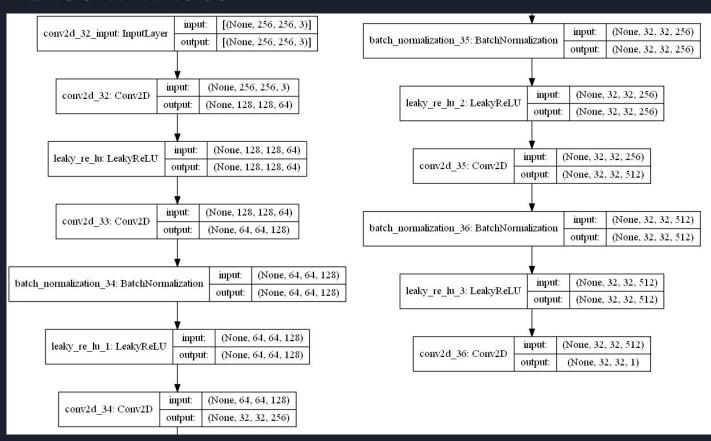
Generator







Discriminator



Results