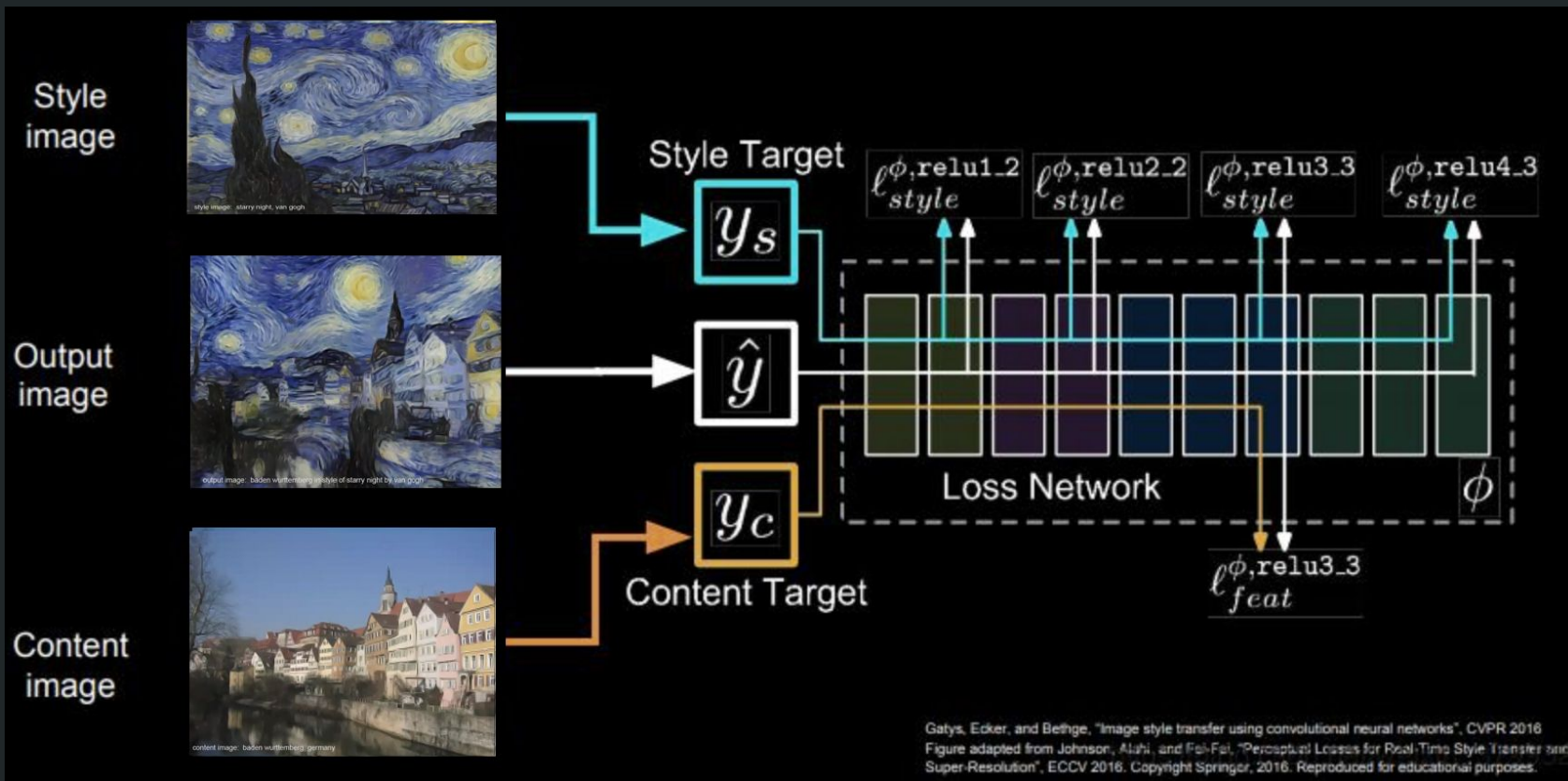# Style Transfer

Team:

Muhammadjon Hokimiyon

Sadi Toirov

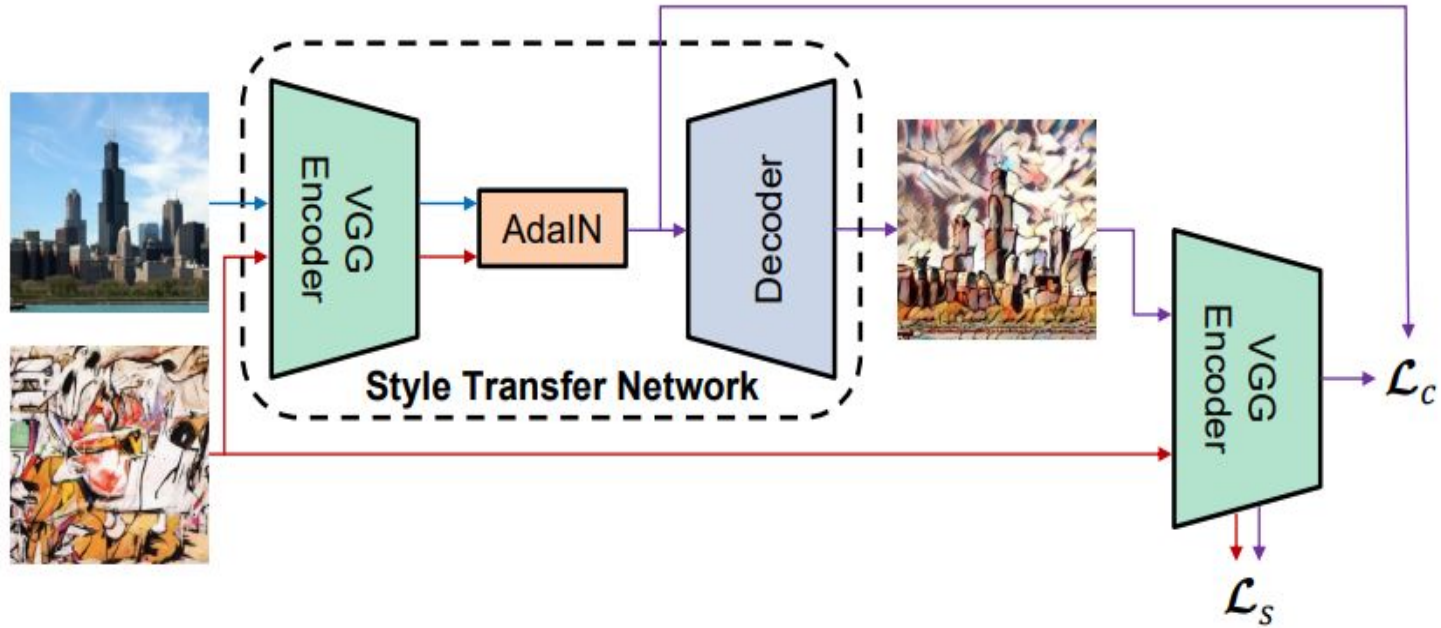# Neural Style Transfer

Architecture

Gatys, Ecker, and Bethge, "Image style transfer using convolutional neural networks", CVPR 2016
Figure adapted from Johnson, Alahi, and Fei-Fei, "Perceptual Losses for Real-Time Style Transfer and
Super-Resolution", ECCV 2016. Copyright Springer, 2016. Reproduced for educational purposes.

Fast Neural Style Transfer

Architecture

Implementation

- Models: PyTorch
- API: FastAPI
- Interface: Flutter

Examples

content_image

style_image

generated_image

content_image · style_image · generated_image

content_image

style_image

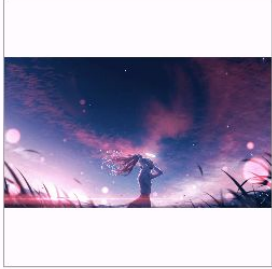generated_image

content_image

style_image

generated_image

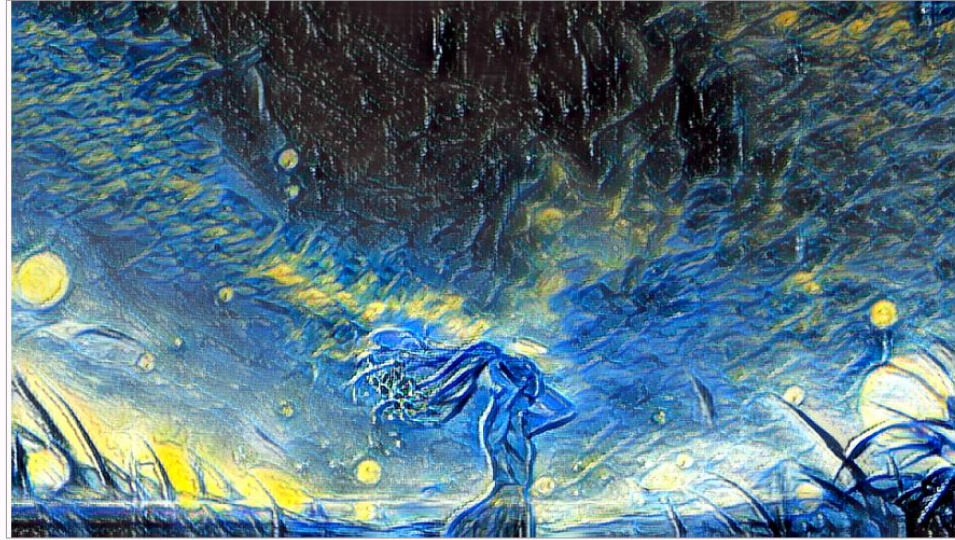# DEMO

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
960

Height
540

Epochs
30

Content weight

Style weight

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
960

Height
600

Epochs
30

Content weight

Style weight

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
960

Height
600

Epochs
30

Content weight

Style weight

Style Transfer

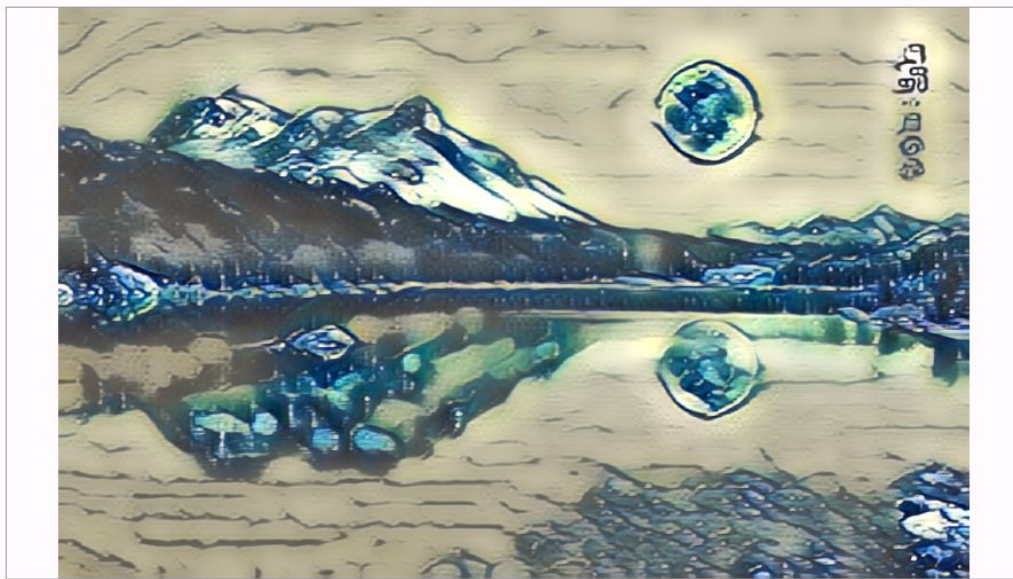## Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
700

Height
467

Epochs
30

Content weight

Style weight

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
700

Height
525

Epochs
30

Content weight

Style weight

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
1024

Height
679

Epochs
30

Content weight

Style weight

Style Transfer

Content

Choose image

Style

Choose image

Submit

Download

Result

Control panel

Width
1024

Height
679

Epochs
30

Content weight

Style weight

DEMO VIDEO

Any questions ?