ClipMorph

Take your videos to the next level!

OUR TEAM

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Videos as you have never seen

ClipMorph is an application using Deep Learning and computer vision techniques to enhance the creativity of *your* videos.

PROBLEM

- More and more digital content
- Harder to stand out from the others
- No tools or expensive ones
- Blandness

Use case

01

Apply a Style

User can apply a predefined style from our catalog to its videos

What we did

02

Define new styles

User can add a new image to be used as the style reference for its next video

What we ‘failed’ to do

“GPU not available in your location”

Use case

01 **Apply a**

User can a did
from our ca

02 **Define**

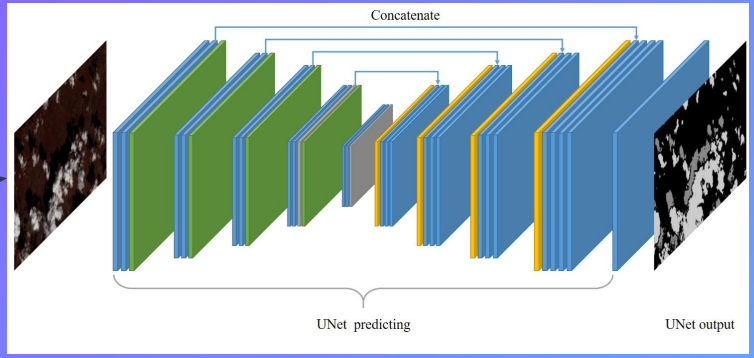
User can a failed to do
as the style

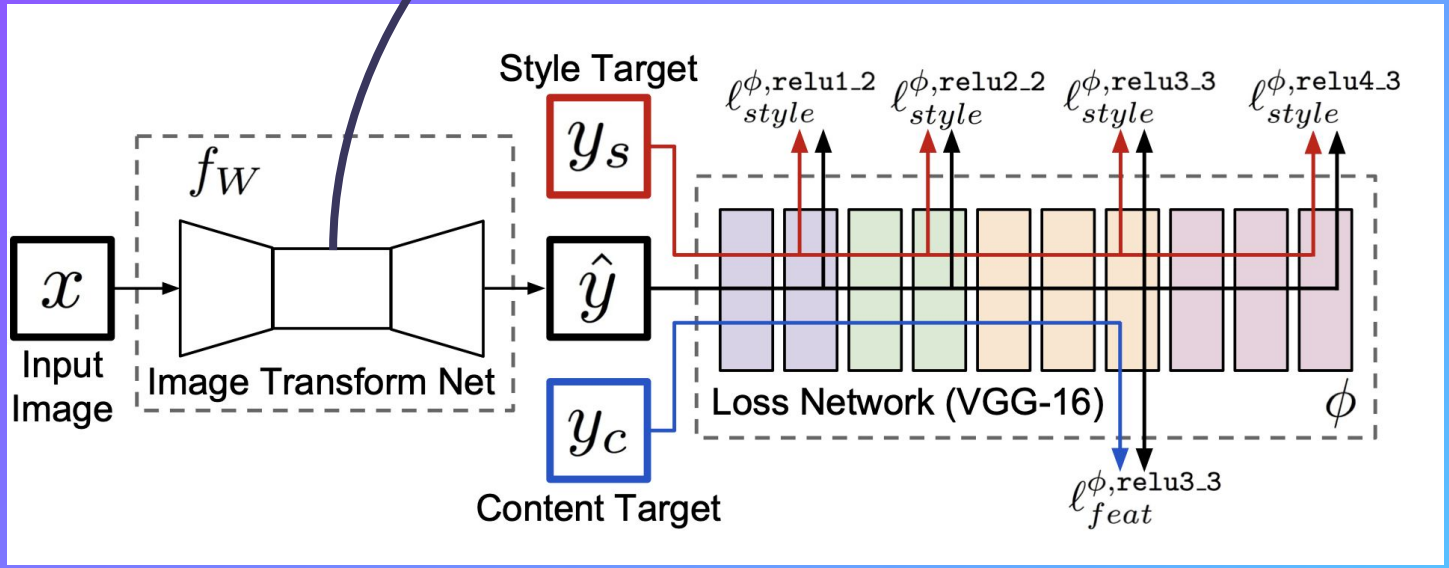
available in
ocation”

Model

U-Net + Perceptual loss using a backbone

- **Good inference speed**
- **Nice results**
- **Easy training**





Source: "Perceptual Losses for Real-Time Style Transfer and Super-Resolution". Johnson et al. (2016) @ ECCV

Model Development

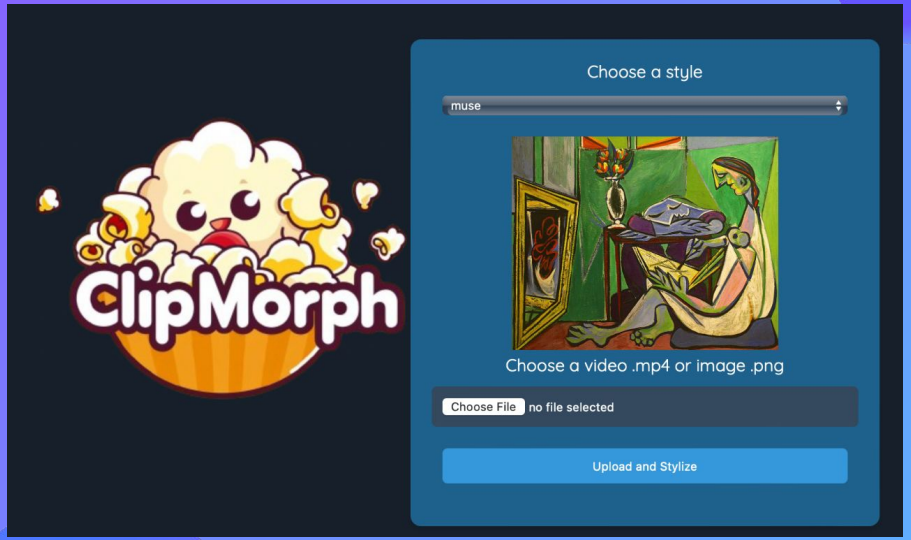
- Addition of Weight and Biases + optimization

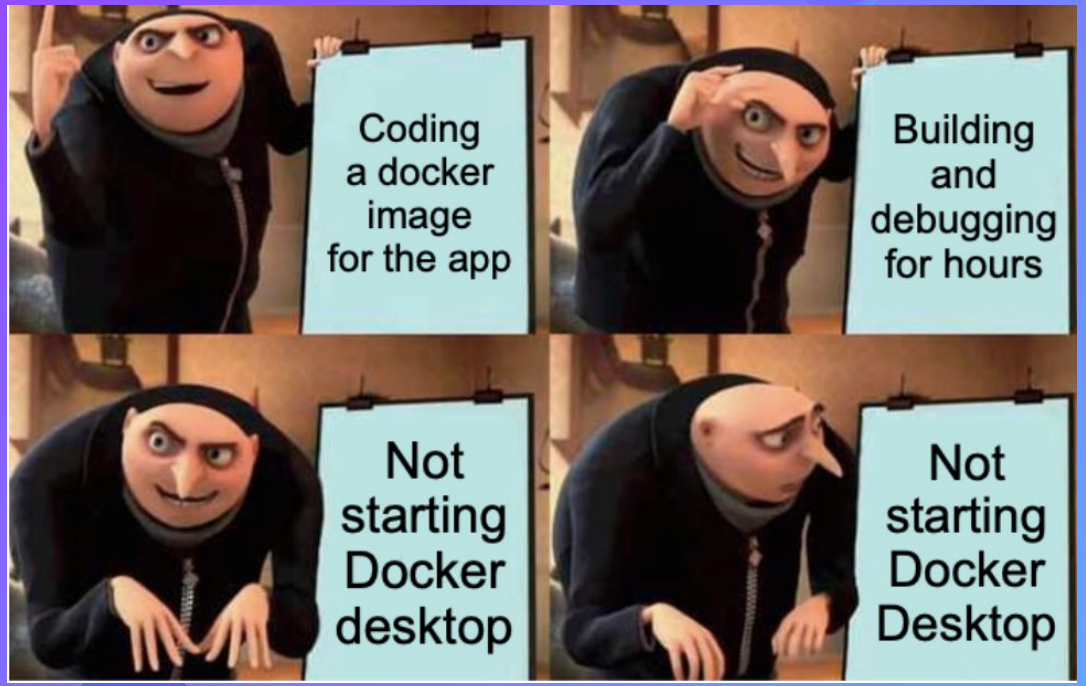
Product Early Demo

Model Deployment

- Flask
- Docker
- Google Cloud Run on CPU

https://clipmorph.isach.be/




Coding a docker image for the app
Building and debugging for hours
Not starting Docker desktop
Not starting Docker Desktop

Demonstration

CLIPMORPH

CICD

1. **Continuous integration through github actions**
   With PyTest

2. **Code style tests**
   With Ruff

3. **Continuous deployment**
   of our Flask Web API to Google Cloud Run

THANKS!

Do you have any questions?

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