Style Transfer

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 Agenda:

Style transfer:
• Quick overview
• Real time performance
• Experiment Results
Overview:

Picture Credit: Image style transfer using convolutional neural networks.
L. A. Gatys, A. S. Ecker, M. Bethge, CVPR 2016
Limitation:

- Gradient descent for every image.
- Can we build a faster style transformation network ..?
Real Time Style Transfer

- Perceptual Losses for Real-Time Style Transfer and Super-Resolution. J. Johnson, A. Alahi, L. Fei-Fei, ECCV
Experiment:

**Hardware:**
- PC with Intel Core-i7 5th Gen.
- 8gb ram
- No GPU used.

**Software Dependencies:**
- Torch
- Cuda (optional, not used)
- Cudnn (optional, not used)

**Procedure:**
- Use pretrained torch model.
Results:

Input Image

Style Model

Output
Thank you!