



## Style Transfer Intro



**Video:** Welcome to Course 4  
6 min



**Reading:** Connect with your mentors and fellow learners on Slack!  
10 min



**Video:** Style Transfer Intro  
3 min



**Reading:** Reference: A Neural Algorithm of Artistic Style  
10 min



**Video:** Style Transfer Conceptual Overview  
4 min



**Reading:** Reference: Perceptual Losses for Real-Time Style Transfer and Super-Resolution  
10 min



**Video:** Pre-Processing Inputs  
2 min



**Video:** Extracting Style and Content Features  
6 min



**Reading:** Reference: Visualizing and Understanding Convolutional Networks  
10 min



**Video:** Total Loss and Content Loss  
3 min



**Video:** Style Loss  
3 min



**Reading:** Reference: numpy.einsum  
10 min



**Video:** Update the Generated Image  
1 min



**Video:** Optional - Gram



# Reference: A Neural Algorithm of Artistic Style

- A Neural Algorithm of Artistic Style (Gatys, Ecker & Bethge, 2015)

✓ Complete

Go to next item

