

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



Connect with your mentors and fellow learners on Slack!

Hi! We've created a Slack workspace that we'd like you to join!

In Slack,

- You can ask questions and interact with mentors and other learners. Mentors will primarily be answering questions in Slack!
- Attend live, virtual events where you can hear from practitioners in the field.
- Find out about opportunities to work more directly with deeplearning.ai as mentors.

Please join the Slack workspace by going to the following link
[DeepLearningAITFAT.slack.com](https://deeplearningaitfat.slack.com)

This link to join slack was last updated on November 13 , 12:00AM PST. If the link has expired, please reply to this [forum discussion post](#) and we will update the invitation link.

Note that the mentors will be answering questions in the Slack workspace and not necessarily the discussion forums on Coursera (so that all questions and answers are in the same place), so you are encouraged to ask questions within Slack.

This Slack workspace includes all courses of this specialization.

The mentors for this specialization are:

Chak Wong

Mo Rebaie