StyleUp

Presented By:
Ashna Kapoor(2000136)
Sajal Agrawal(2000113)

June 24, 2019

What is this project about?

Neural Style Transfer

Source : Depth-aware Neural Style Transfer

Why we chose it?

- Helps to blend two images
- Wide customer usage
- Interesting research area

Technologies, Model and Algorithm Used

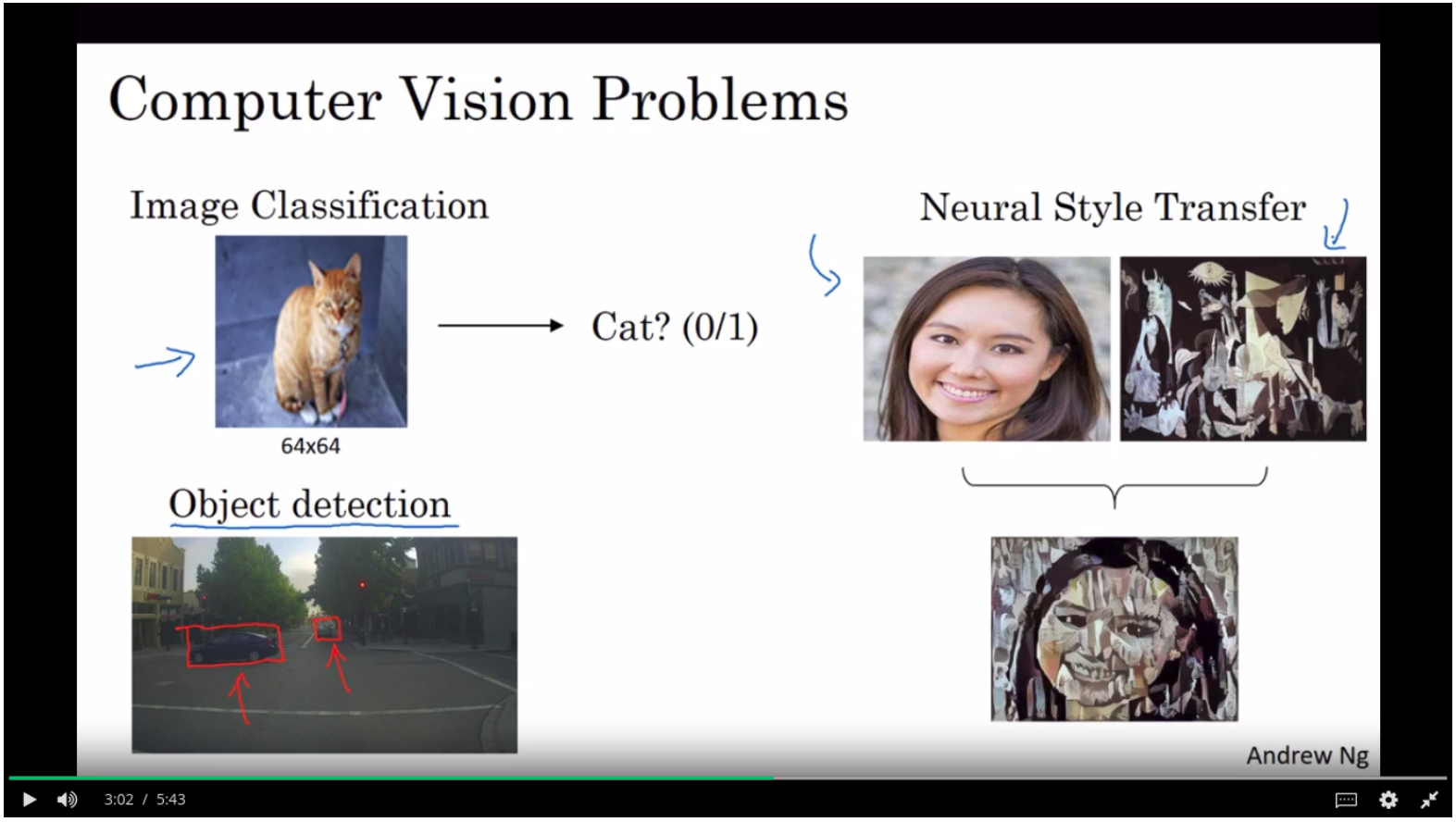
- Deep Learning
- VGG-19 Model trained on ImageNet
- Deep Neural Style Transfer Algorithm using Photorealism Regularization

Scope

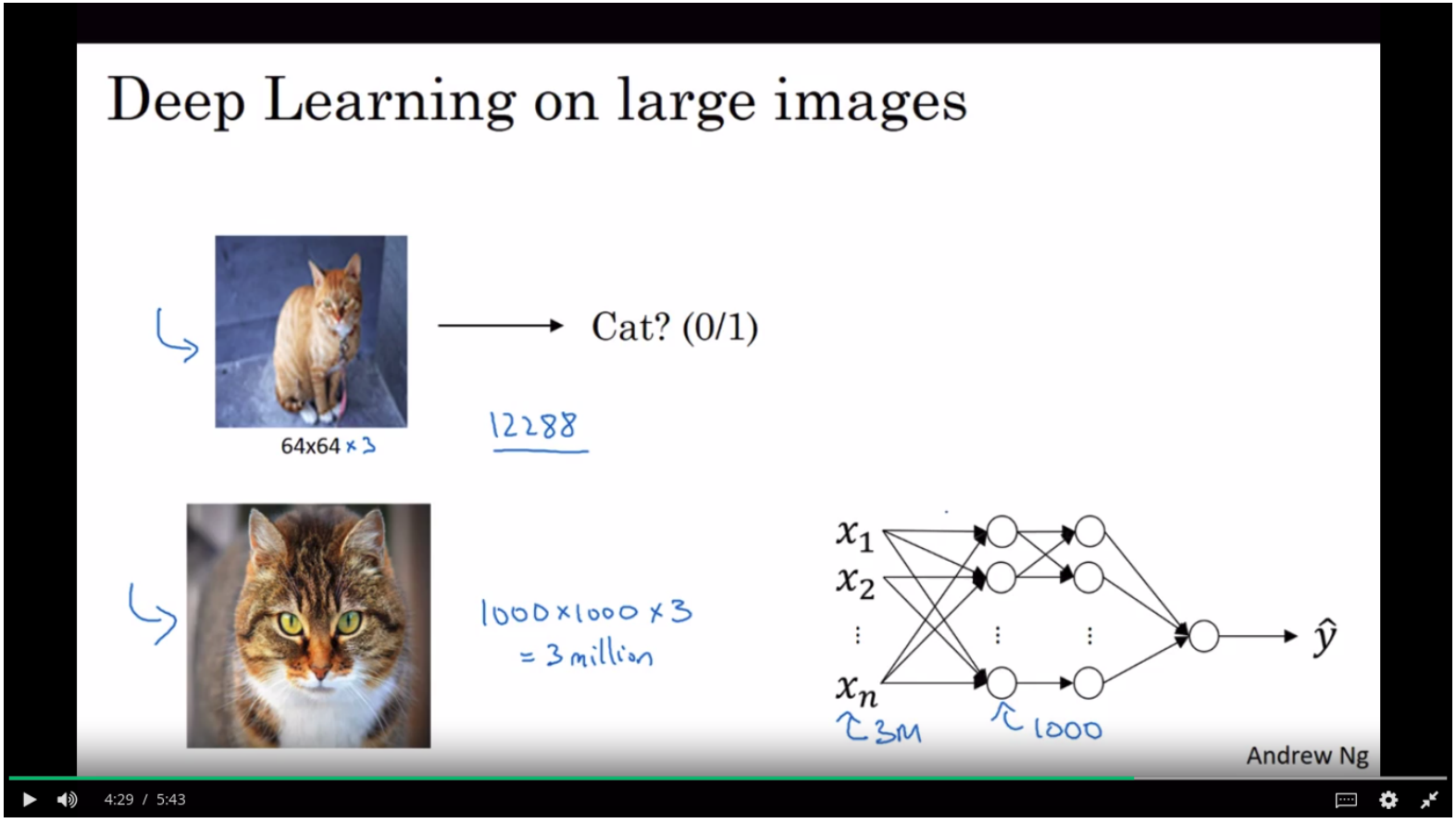
- An aid to Architects and Interior Designers
- Crime Investigation
- Style Augmentation

Day 1

- Computer Vision Problems
- Convolution Operation
- One Layer of Convolution Neural Network

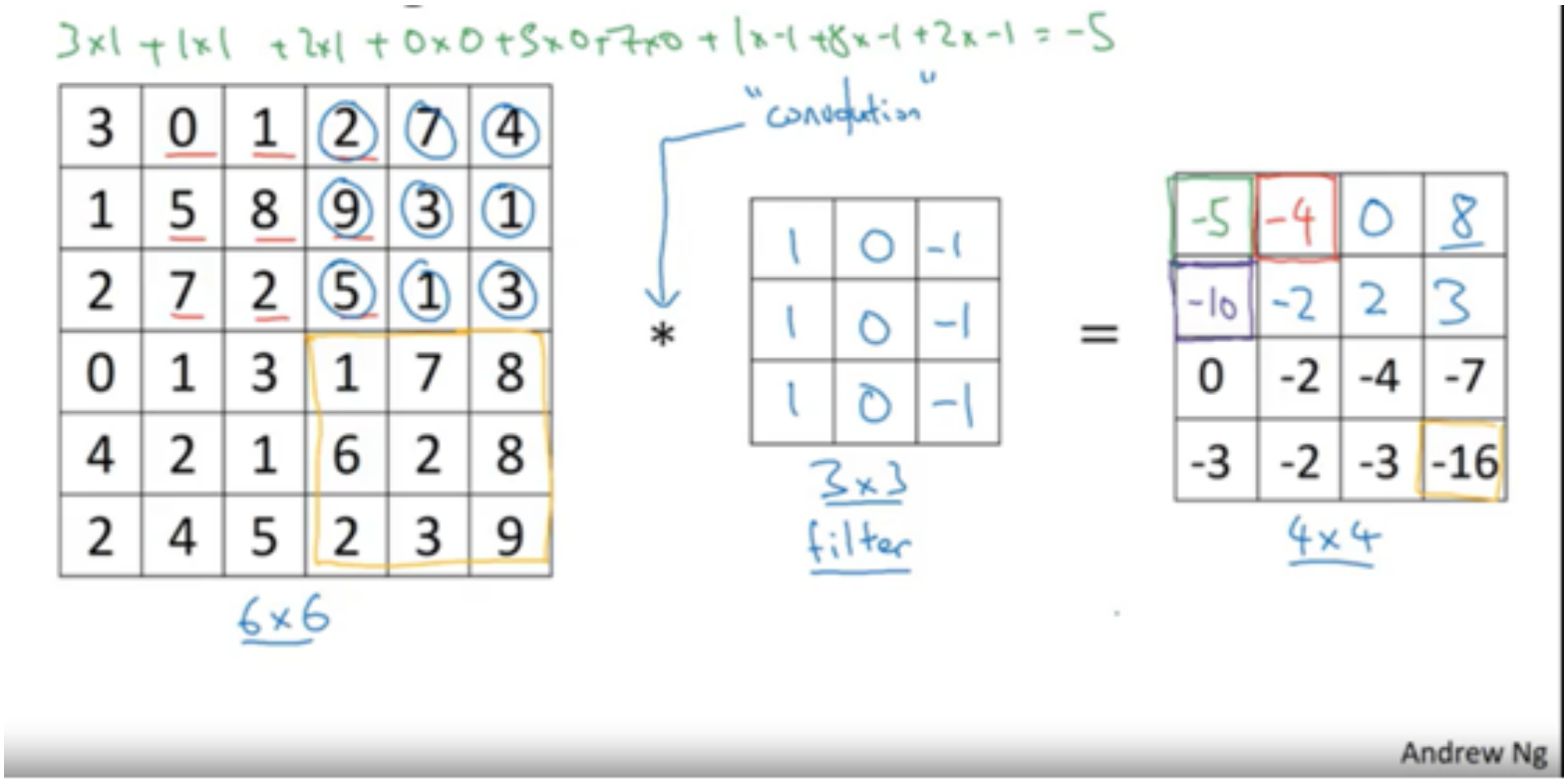


Source : Deep Learning Specialization-Andrew NG



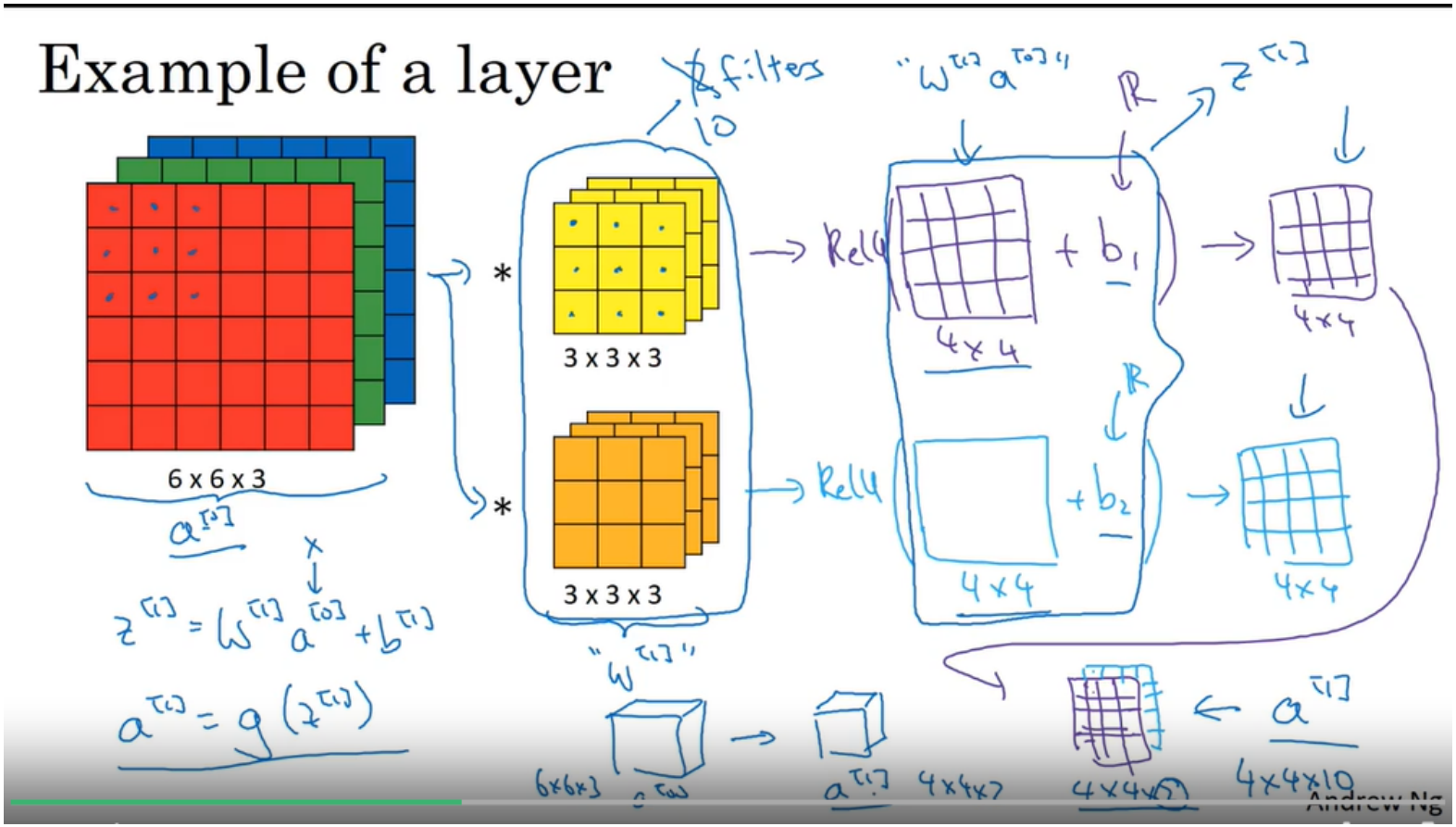
Source : Deep Learning Specialization-Andrew NG

Convolution Operation



Source : Deep Learning Specialization-Andrew NG

Evaluating One Layer



Source : Deep Learning Specialization-Andrew NG

GitLab Progress