Contents

1	Face Recognition 1 1.1 What is face recognition? 2 1.2 One Shot Learning 3 1.3 Siamese Network 4 1.4 Triplet Loss 5 1.5 Face Verification and Binary Classification	2 2 2 2 2 2
2	. Neural Style Transfer .1 2.1 What is neural style transfer? .2 2.2 What are deep ConvNets learning? .3 2.3 Cost Function .4 2.4 Content Cost Function .5 2.5 Style Cost Function .6 2.6 1D and 3D Generalizatinos	2 2 2 2 2 2 2 2
con	1. Face Recognition - 1.1 What is face recognition? - 1.2 One Shot Learning - 1.3 Siamese Network - 1.4 Triplet Loss - 1.5 Face Verification and Binary Classification 2. Neural Style Transfer - 2.1 What is neural style transfer? - 2.2 What are deep ConvNets learning? - 2.3 Cost Function - 2.4 Content Cost Function - 2.5 Style Cost Function - 2.6 1D and 3D Generalizatinos	

1 1. Face Recognition

- 1.1 1.1 What is face recognition?
- 1.2 One Shot Learning
- 1.3 Siamese Network
- 1.4 1.4 Triplet Loss
- 1.5 Face Verification and Binary Classification
- 2 2. Neural Style Transfer
- 2.1 2.1 What is neural style transfer?
- 2.2 2.2 What are deep ConvNets learning?
- 2.3 Cost Function
- 2.4 2.4 Content Cost Function
- 2.5 Style Cost Function
- 2.6 2.6 1D and 3D Generalizatinos