PAPER LIST

March 8: Training Deep Neural Networks

Identity Mappings in Deep Residual Networks
Kaiming He, Xiangyu Zhang, Shaoqing Ren, and Jian Sun. In ECCV 2016
https://github.com/KaimingHe/resnet-1k-layers

March 15: Convolutional Neural Networks

Finding Tiny Faces
https://www.cs.cmu.edu/~peiyunh/tiny

March 22: Understanding and Visualizing CNNs

Convergent Learning: Do different neural networks learn the same representations?
Yixuan Li, Jason Yosinski, Jeff Clune, Hod Lipson, and John Hopcroft. In ICLR 2016.
http://www.evolvingai.org/li-yosinski-clune-lipson-2016-convergent-learning-do

March 29: Recurrent Neural Networks

The Amazing Mysteries of the Gutter: Drawing Inferences Between Panels in Comic Book Narratives
https://github.com/miyyer/comics

April 5: Attention and Memory

Lip Reading Sentences in the Wild

April 19: Representation Learning

Word2VisualVec: Image and Video to Sentence Matching by Visual Feature Prediction

April 26: Autoencoders and its variants

Learning Temporal Regularity in Video Sequences
https://mhasa004.github.io/regularity.html

May 3: Deep Generative Models

Generating Videos with Scene Dynamics
http://web.mit.edu/vondrick/tinyvideo

May 10: Deep Reinforcement Learning

Reinforcement Learning for Visual Object Detection