PAPER LIST

March 10: Autoregressive Models
Transformers are RNNs: Fast Autoregressive Transformers with Linear Attention

March 17: Normalizing Flow Models
Normalizing Flows with Multi-Scale Autoregressive Priors
Aprotim Bhattacharyya, Shweta Mahajan, Mario Fritz, Bernt Schiele, Stefan Roth. CVPR 2020.

March 24: Variational Autoencoders
NVAE: A Deep Hierarchical Variational Autoencoder

March 31: Generative Adversarial Networks I
MSG-GAN: Multi-Scale Gradients for Generative Adversarial Networks

April 7: Spring Break

April 14: Generative Adversarial Networks II
GANSpace: Discovering Interpretable GAN Controls

April 21: Discrete Latent Variable Models
Taming Transformers for High-Resolution Image Synthesis

April 28: Strengths and Weaknesses of Current Models
Generative Models as Distributions of Functions

May 5: Project Progress Presentations

May 12: Self-Supervised Learning
Demystifying Contrastive Self-Supervised Learning: Invariances, Augmentations and Dataset Biases

May 17: Pretraining Language Models
X-LXMERT: Paint, Caption and Answer Questions with Multi-Modal Transformers