NOTES:

-Representing XOR (OR AND NAND) with ANN

-Problems in computer vision (occlusion, intraclass variation, clutter)

-Edge, boundary and corners detection

-Gradient descent  
-SVM loss

-Softmax classifier

-computational graphs

-CNN (Padding and Pooling(max))

-Data Preprocessing (zero centered and unit variance normalized data)

* Weights Initialization
* Activation Functions ( Sigmoid, tanh, Relu)
* Hyperparameters (learning rate, regularization)

-Problems with Stochastic Gradient Descent

-CNN Architectures (VGG, GoogleNet)