

Module 4 Readings: Computer Vision Fundamentals on Google Cloud

Here are the assembled readings provided in Module 4.

Module 4: Convolutional Neural Networks

- Lesson 2: Convolutional Neural Networks
 - [Neocognitron](#)
 - [visual nervous system](#)
 - <https://www.cs.toronto.edu/~hinton/absps/NatureDeepReview.pdf>
 - <http://yann.lecun.com/exdb/publis/pdf/lecun-89e.pdf>
 - [AlexNet](#)
 - [the concept of hierarchy](#)
 - [Google's own Inception network](#)
- Lesson 4: CNN Model Parameters
 - https://keras.io/api/layers/convolution_layers/convolution2d/
- Lesson 5: Working with Pooling Layers
 - https://keras.io/api/layers/pooling_layers/
- Lesson 6: Implementing CNNs on Vertex AI with pre-built TF container using Vertex Workbench
 - [National Institute of Standards and Technology](#)
 - [Softmax](#)
- Lab intro:
 - [MNIST](#)
 - [tf.keras API](#)