

NYU-MMVC-LAB Weekly Report

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1 Motivation

To fully understand the methods and technologies behind the TextBox detection (Liao et al. 2017) and replicate its results in Python TensorFlow environment, and then proceed with other researches in computer vision areas.

2 Progression

2.1 TensorFlow

The reading materials covered

- Accessing GPU/CPU with device manipulation
- Image recognition with Python API
- Convolutinoal Neural Network
- Recurrent Neural Network
- Progression checking with TensorBoard

2.2 TextBox

Currently I'm at the stage of building VGG-16 architecture for word-based text detection.