1 Introduction

Computer vision field has incredibly improved over last 5 years. This has been mainly thanks to the convoluional neural networks, which can be used for a wide variety of tasks. Their rise has been made possible by incresing computational power and using GPUs. Accecibility of huge datasets, such as ImageNet[1], Pascal VOC [2] are also very important for training.

2 State of the Art

The task of image recognition has been quite solved, . The Inception network [3]

References

[1] J. Deng, W. Dong, R. Socher, L.-J. Li, K. Li, and L. Fei-Fei. ImageNet: A Large-Scale Hierarchical Image Database. In *CVPR09*, 2009.

[2] Mark Everingham, Luc Gool, Christopher K. Williams, John Winn, and Andrew Zisserman. The pascal visual object classes (voc) challenge. *Int. J. Comput. Vision*, 88(2):303–338, June 2010.

[3] Christian Szegedy, Vincent Vanhoucke, Sergey Ioffe, Jon Shlens, and Zbigniew Wojna. Rethinking the inception architecture for computer vision. In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*, pages 2818–2826, 2016.