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**Story Proposal**

Survey paper reference: <https://arxiv.org/abs/1910.09399>

Youtube reference:

<https://www.youtube.com/watch?v=5g1eXmQtl0E>

<https://www.youtube.com/watch?v=0QnCH6tlZgc>

Method used: GANs & CNN & DCNN

By the research, Adversarial Neural Networks became a very popular neural network field within this two years. The main purpose for Adversarial Neural Networks is use to do the algorithm transform the Text to the Image translate human written textual descriptions, in the form of keywords or sentences, into images with similar semantic meaning to the text in details. In the contrast, transform the Image to Text. Both are really important in todays world. There are many deployment are using the Image to text or Text to image.

Generation of images from text descriptions, i.e. text-to-image synthesis, is a complex computer vision and machine learning problem that has seen great progress over recent years. Automatic image generation from natural language may allow users to describe visual elements through visually-rich text descriptions. The ability to do so effectively is highly desirable as it could be used in artificial intelligence applications such as computer-aided design, image editing.