

CSCI 1430 Final Project Report: CycleGAN

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Abstract

Style transfer is typically performed on a pair of images. We implemented a way to perform style transfer that only requires one input image. We trained two GANs, connected cyclically, to convert between the styles of two datasets. This method does not require paired training data, and as such, it has broader implications for the field of vision and graphics. Paired training data can be hard to come by, and the technique we used can be extended to applications beyond style transfer.