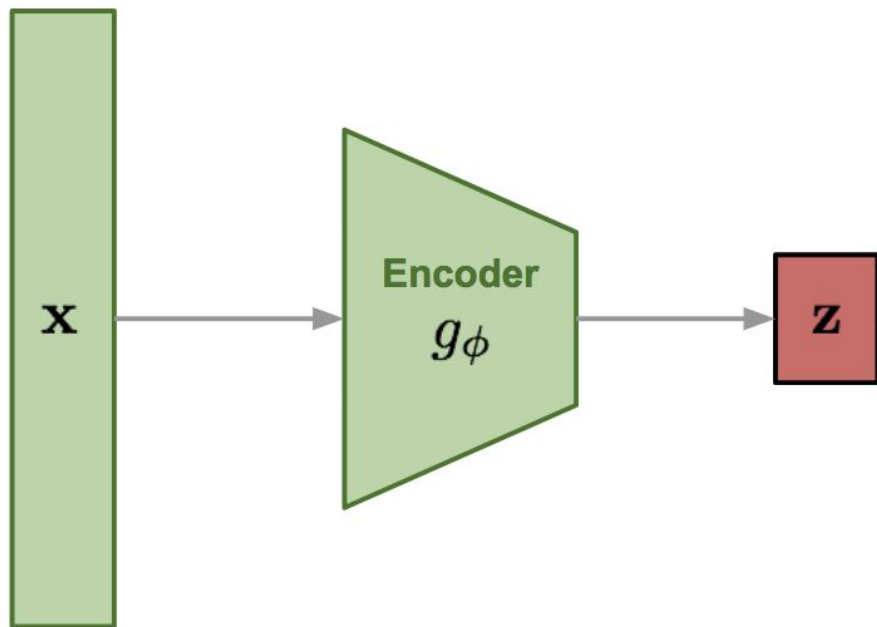


Lab Assignment 7

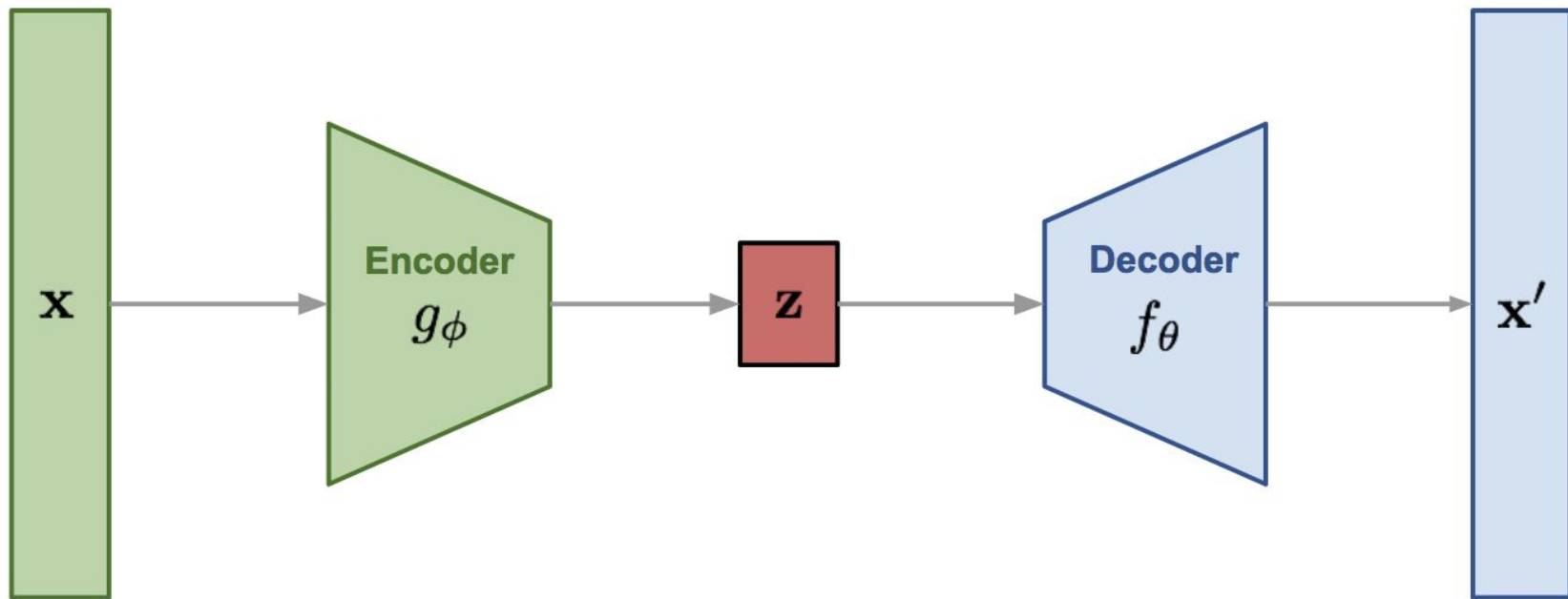
Autoencoders & VAEs

CMPUT 328 Visual Recognition

Autoencoders



Autoencoders



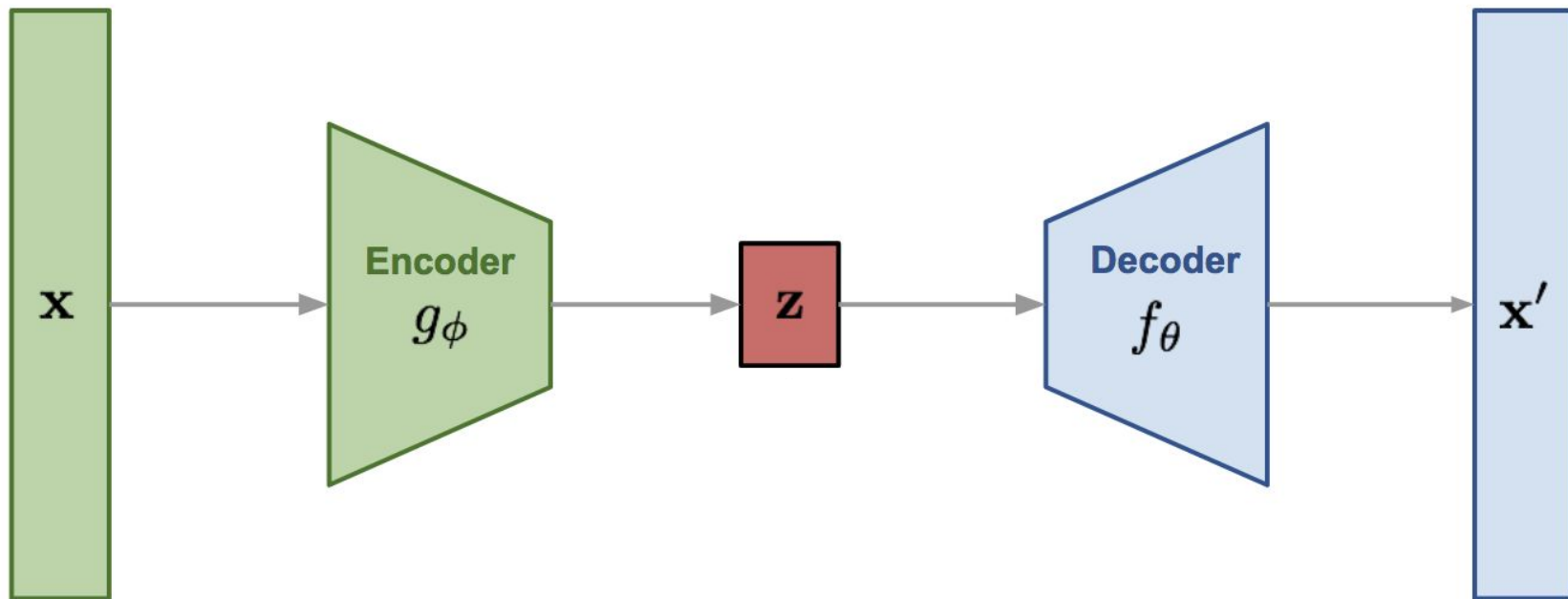
Autoencoders

Input

Ideally they are identical.

Reconstructed
input

$$\mathbf{x} \approx \mathbf{x}'$$



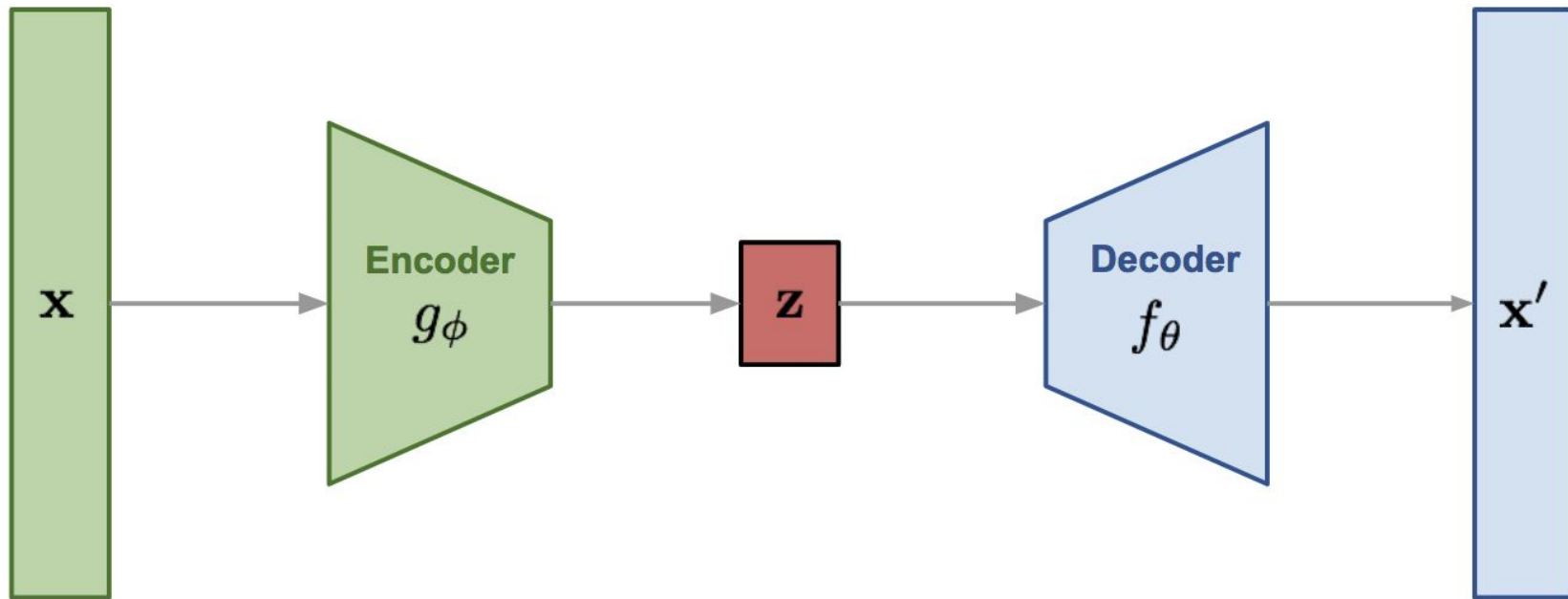
Autoencoders

Input

Ideally they are identical.

Reconstructed
input

$$\mathbf{x} \approx \mathbf{x}'$$



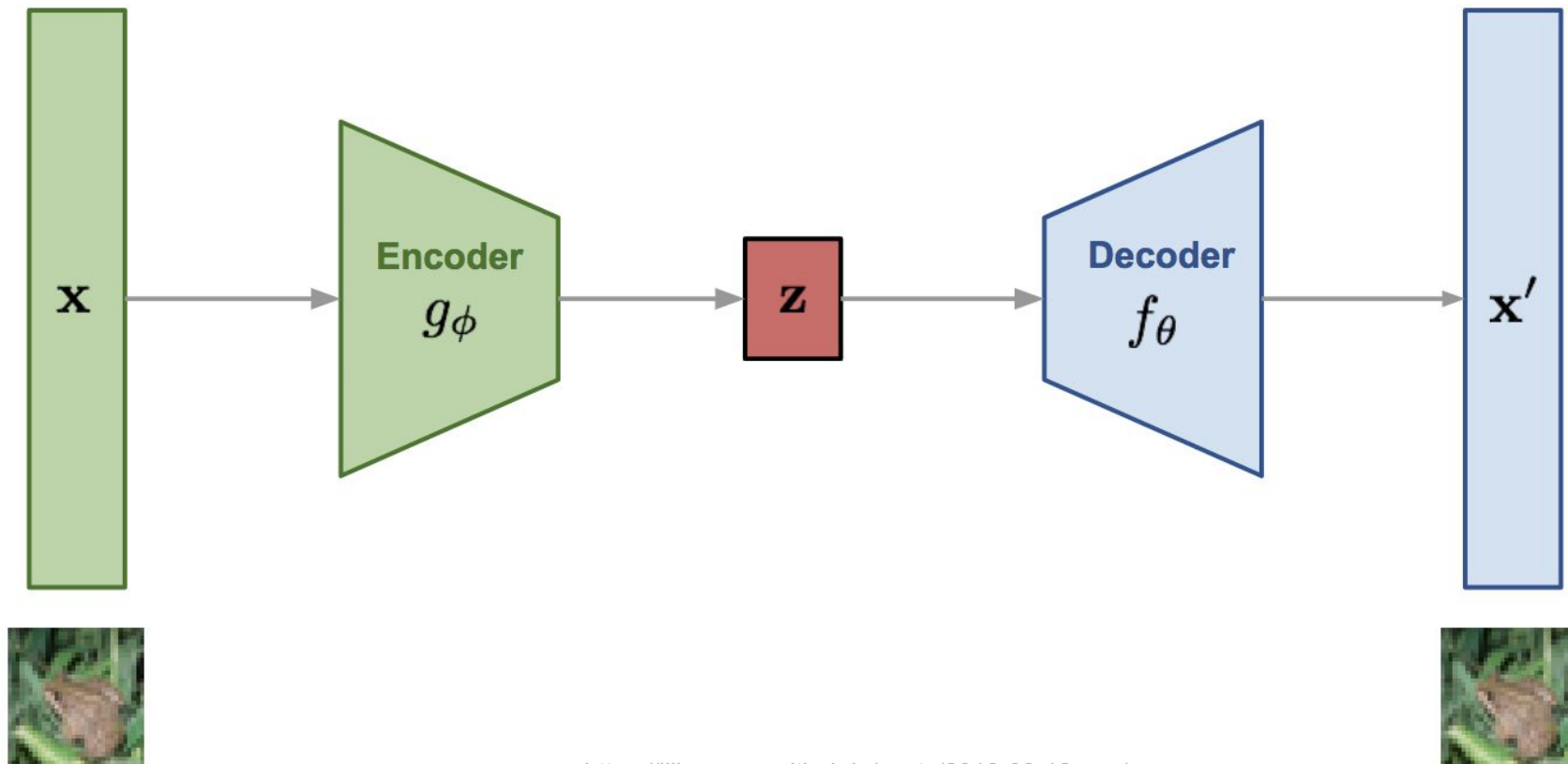
Autoencoders

Input

Ideally they are identical.

Reconstructed
input

$$\mathbf{x} \approx \mathbf{x}'$$



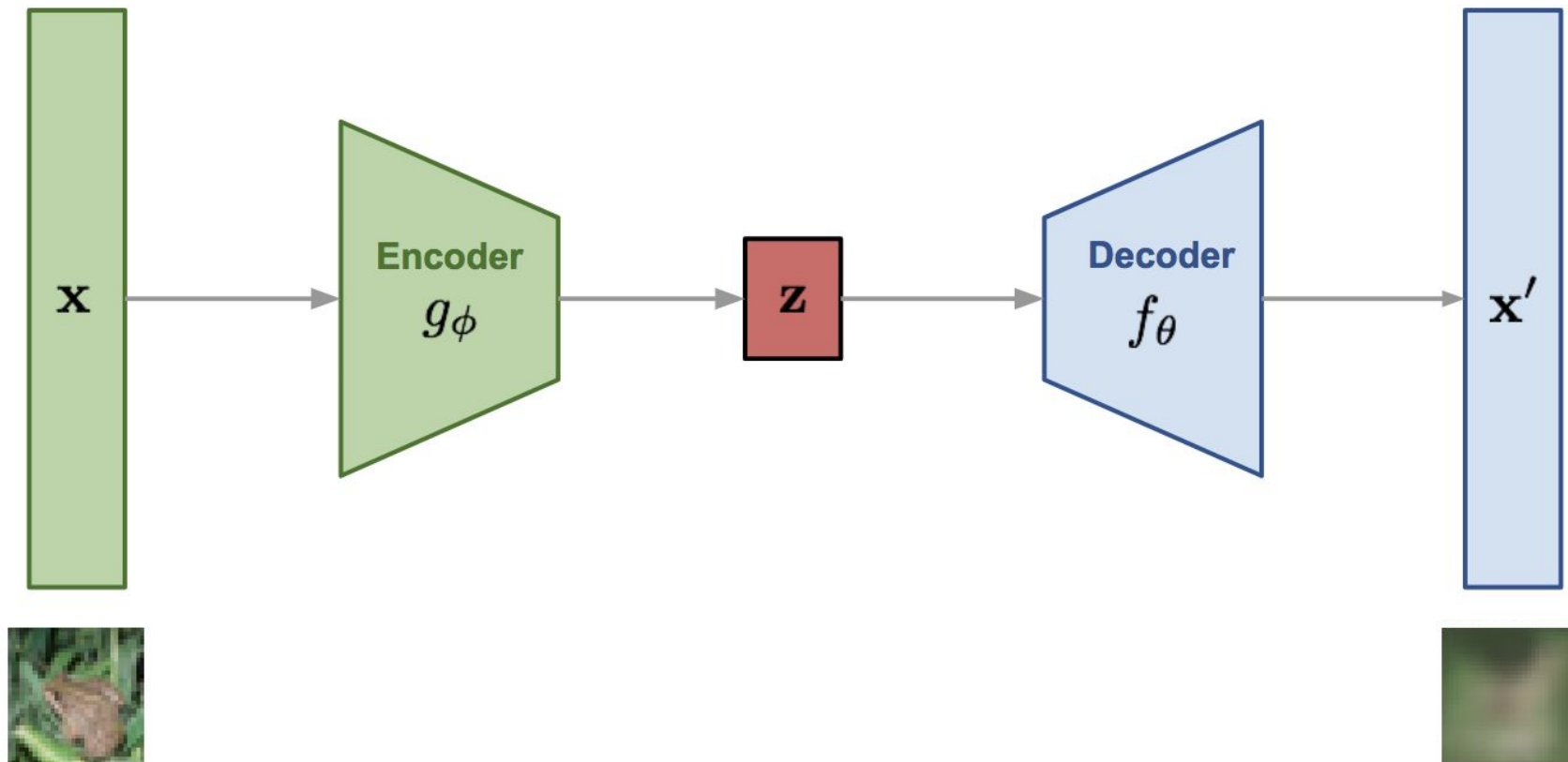
Autoencoders

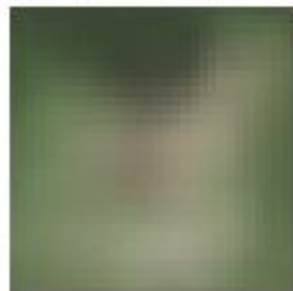
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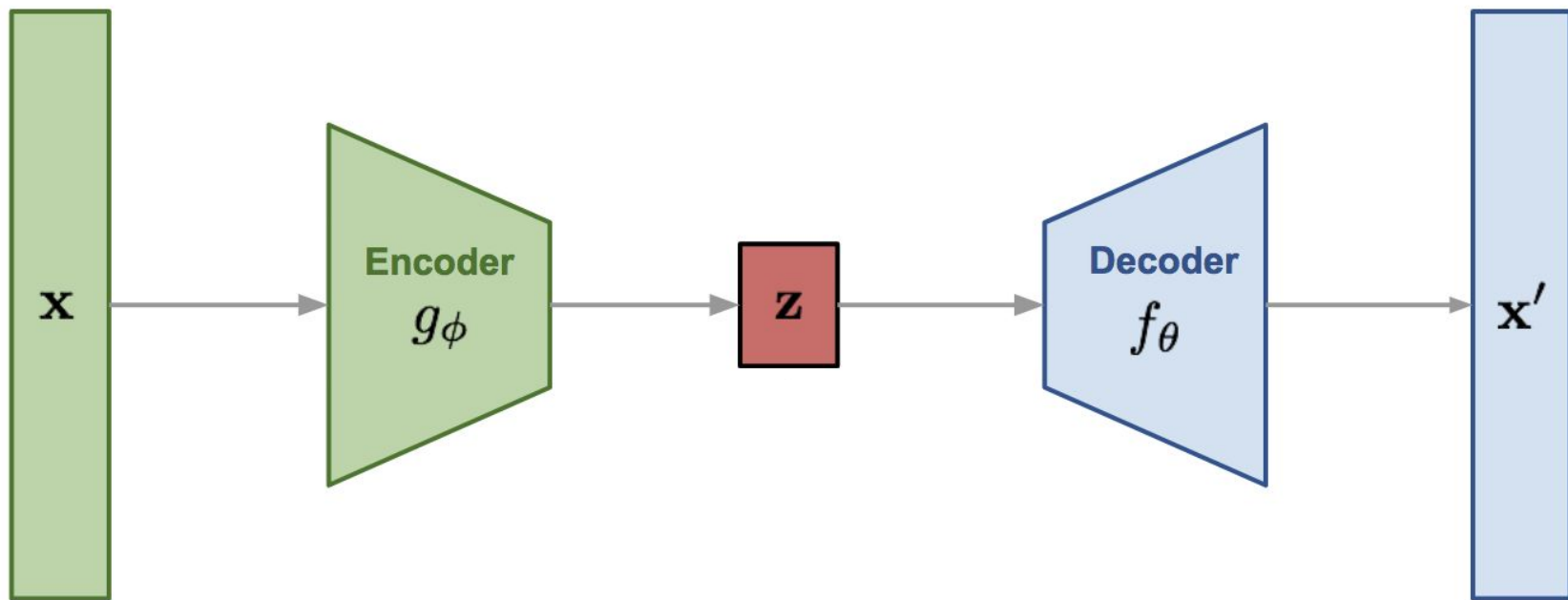
Ideally they are identical.

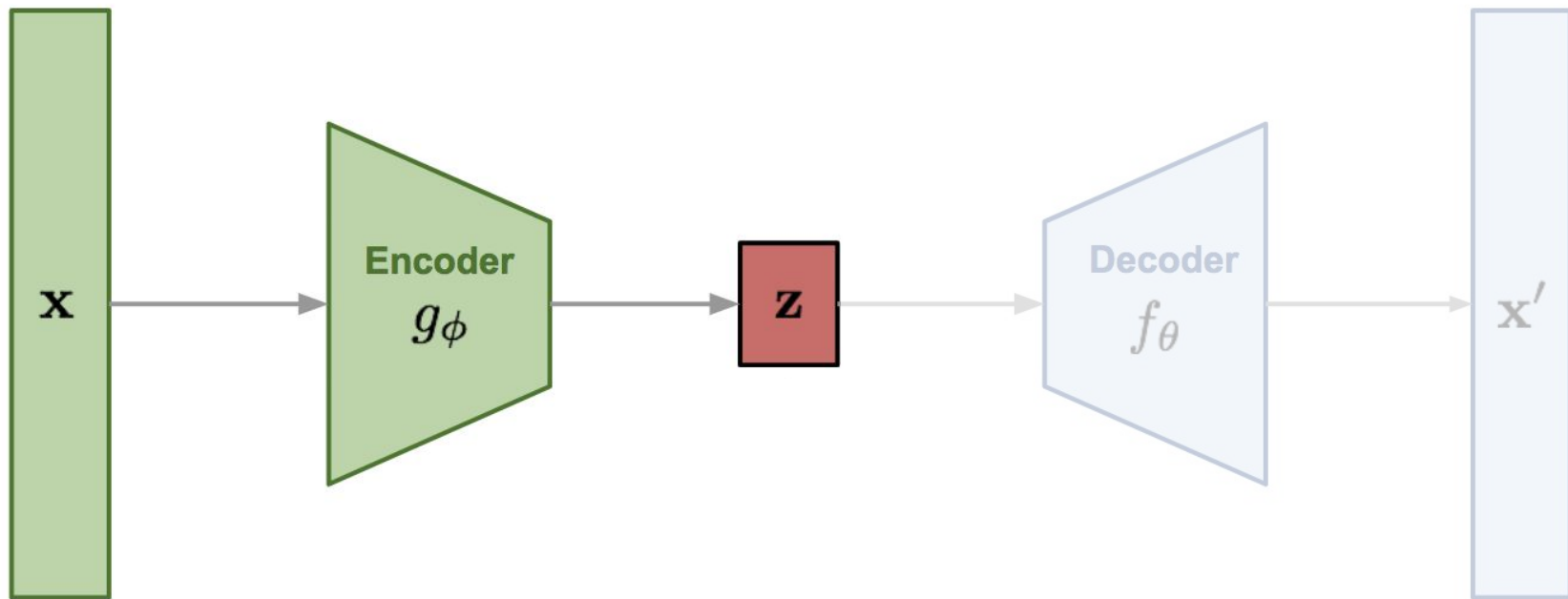
Reconstructed
input

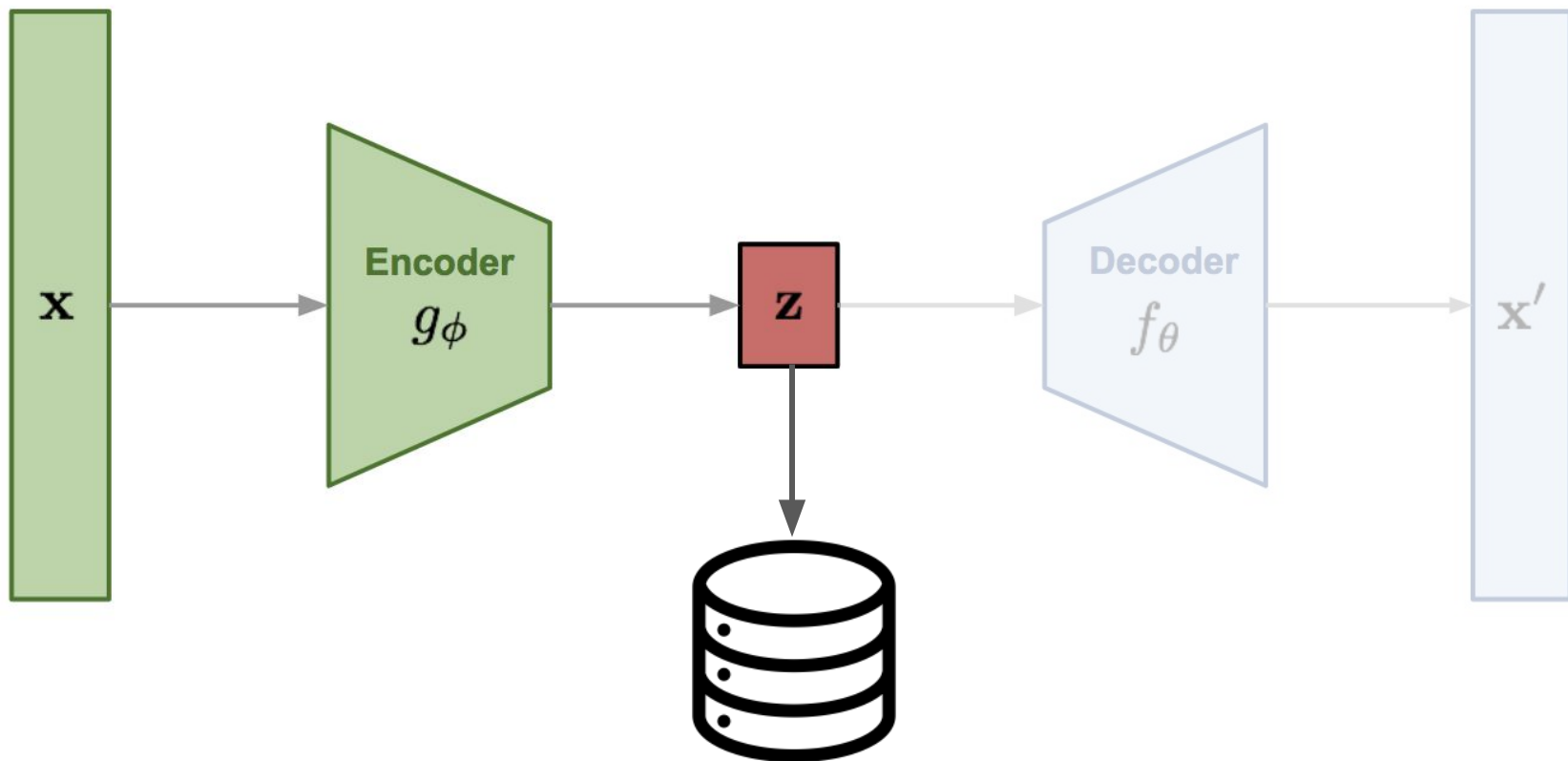
$$\mathbf{x} \approx \mathbf{x}'$$

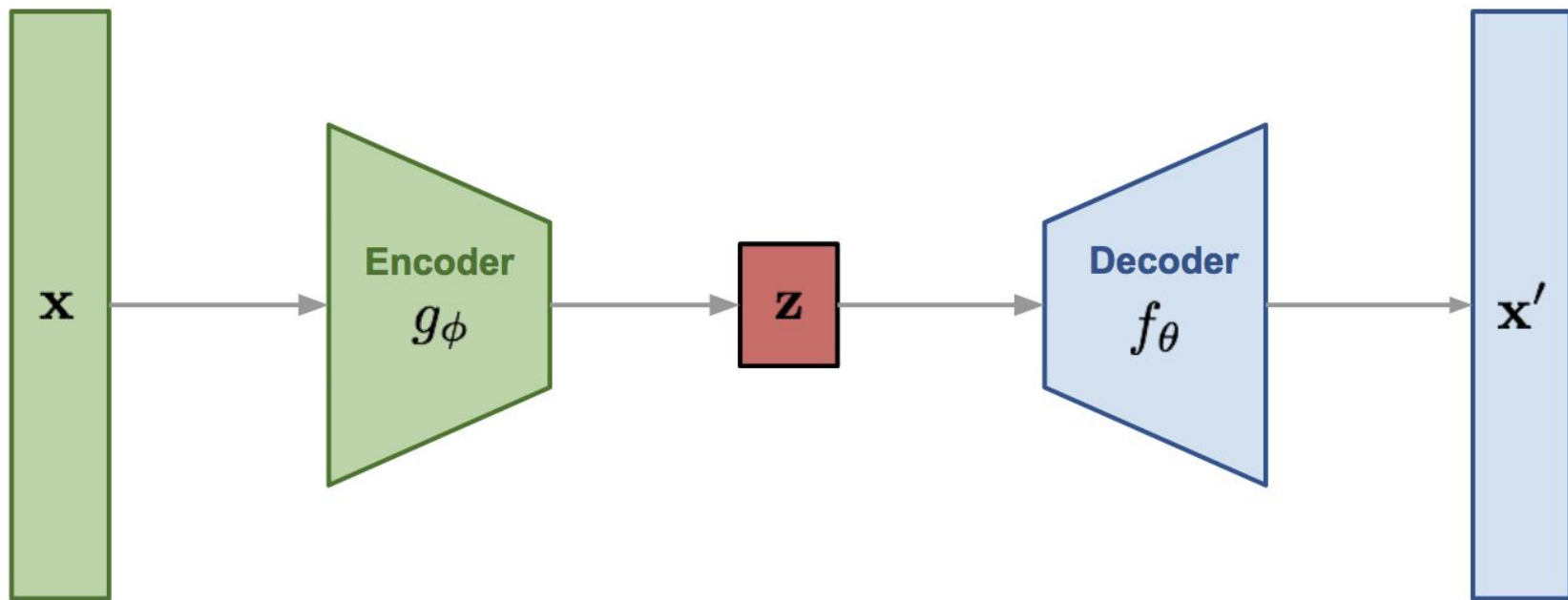


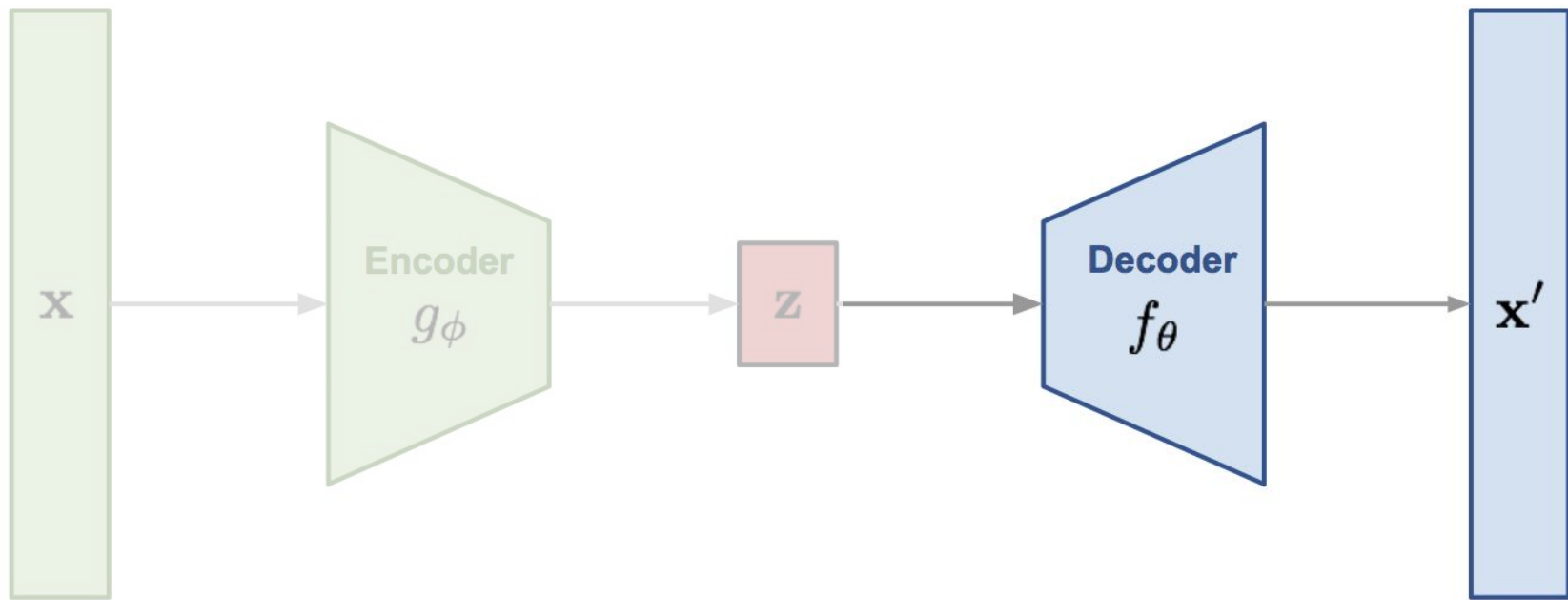


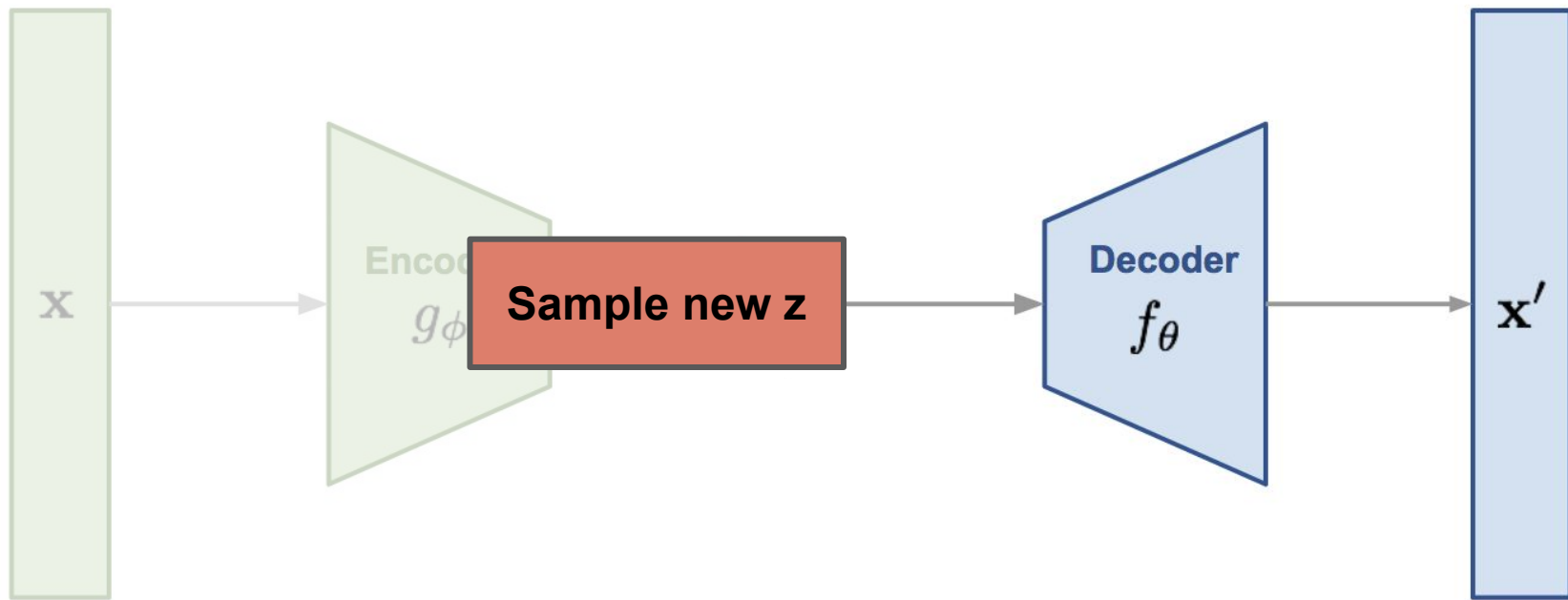


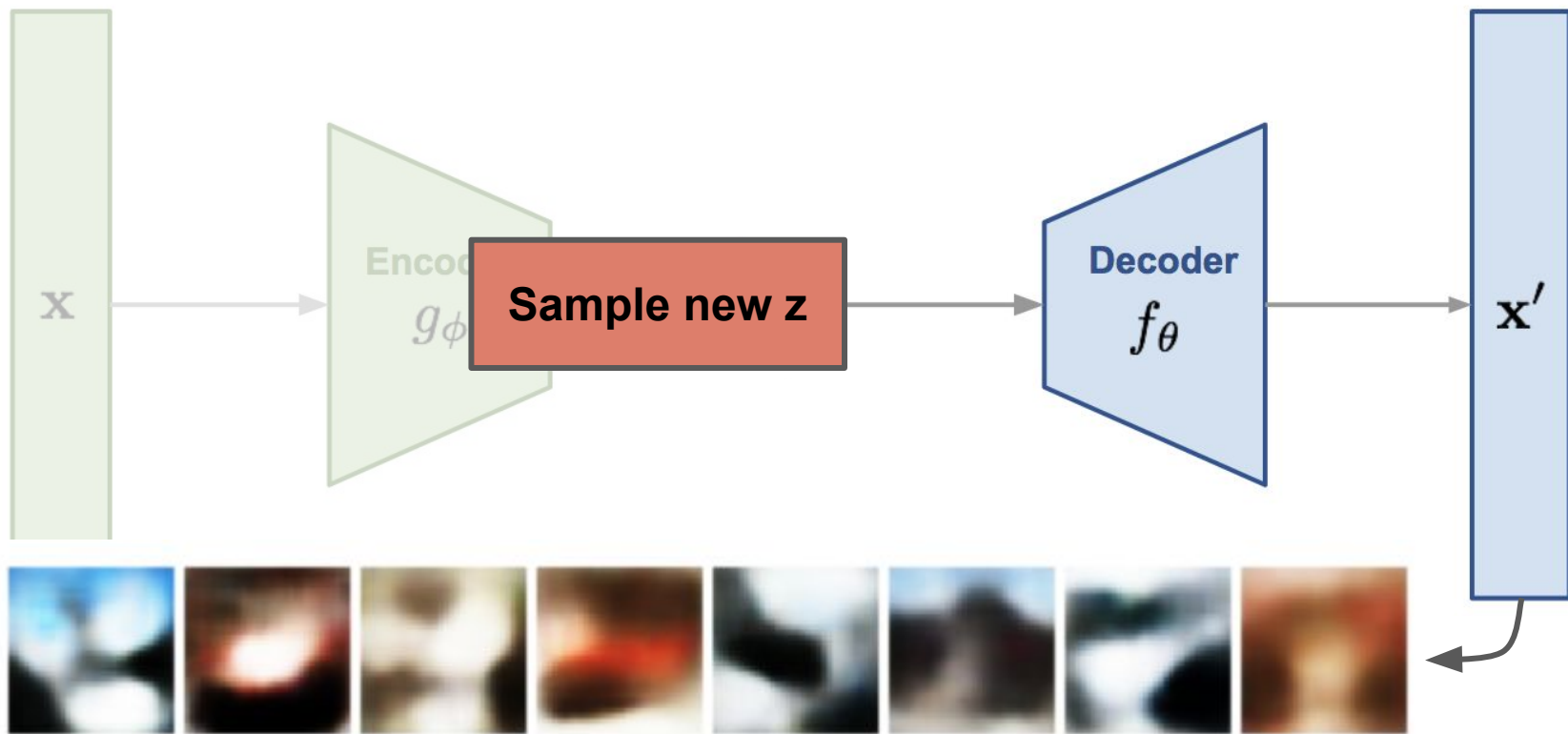








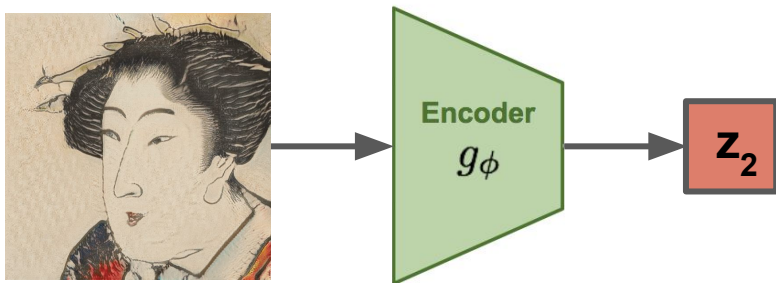
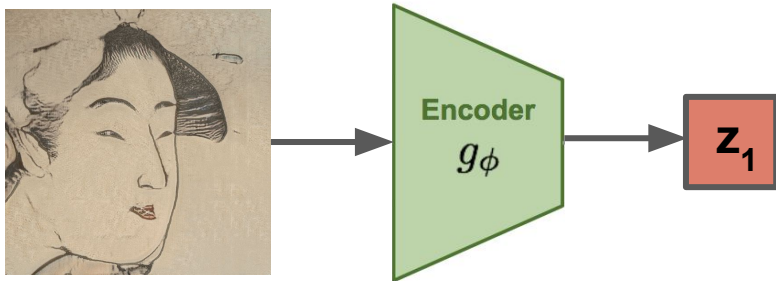




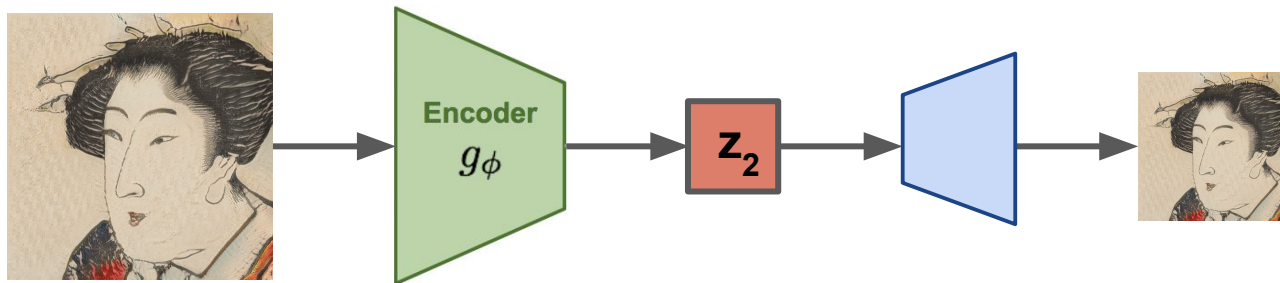
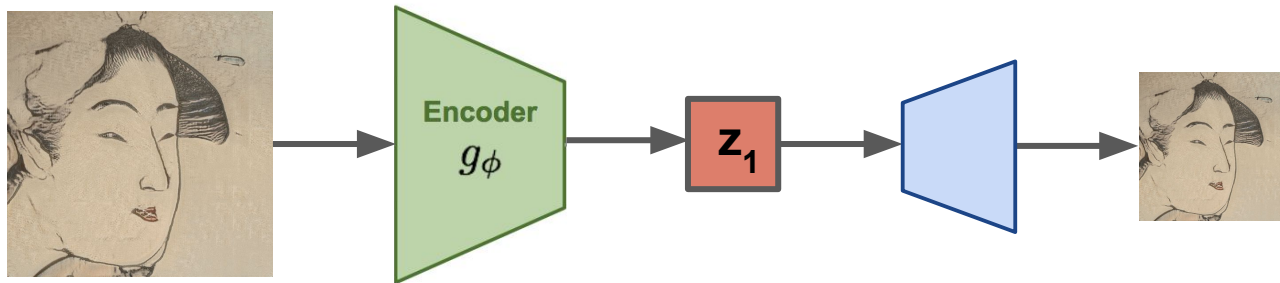
Latent Space Interpolation



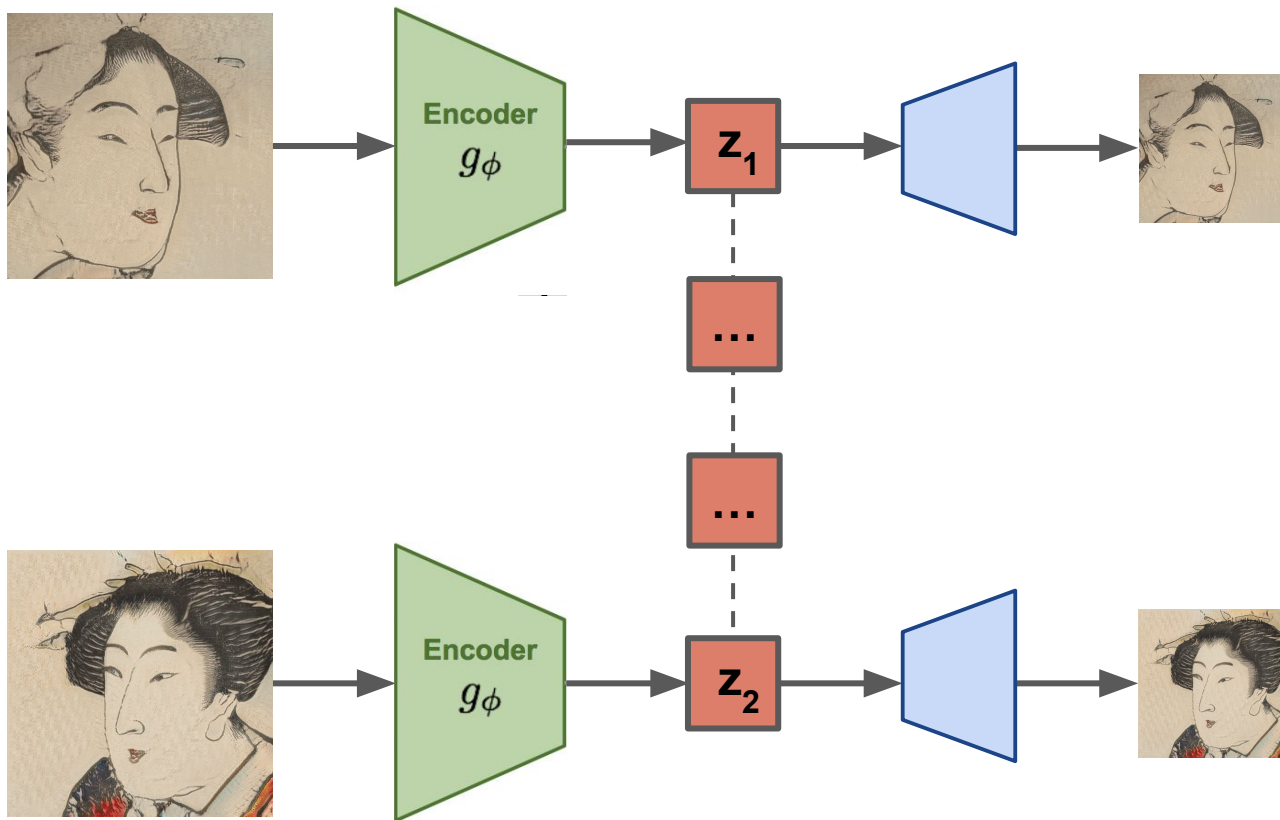
Latent Space Interpolation



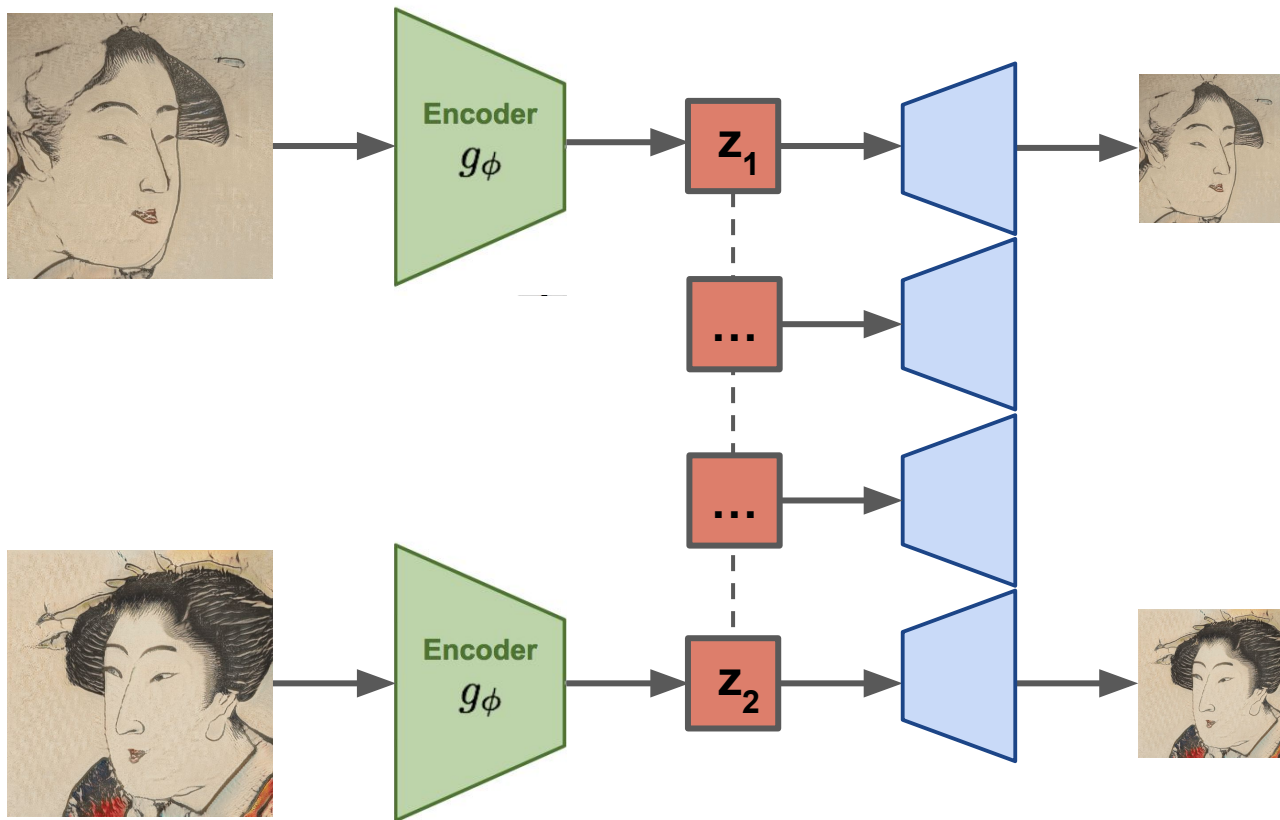
Latent Space Interpolation



Latent Space Interpolation



Latent Space Interpolation



Latent Space Interpolation

