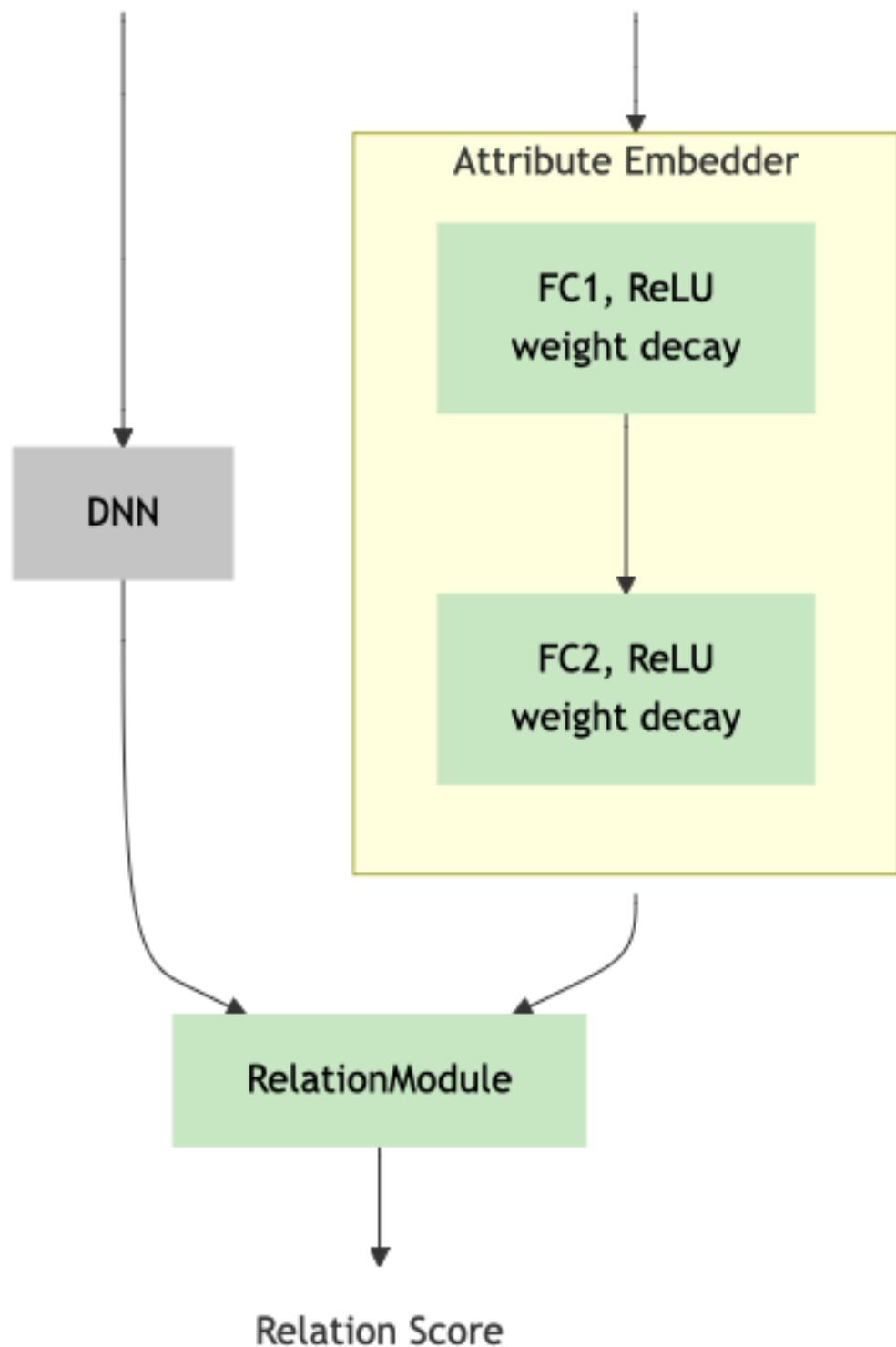


Zero-Shot Learning (2)



Image

ImageDescription



$$f_{\varphi}(v_c)$$

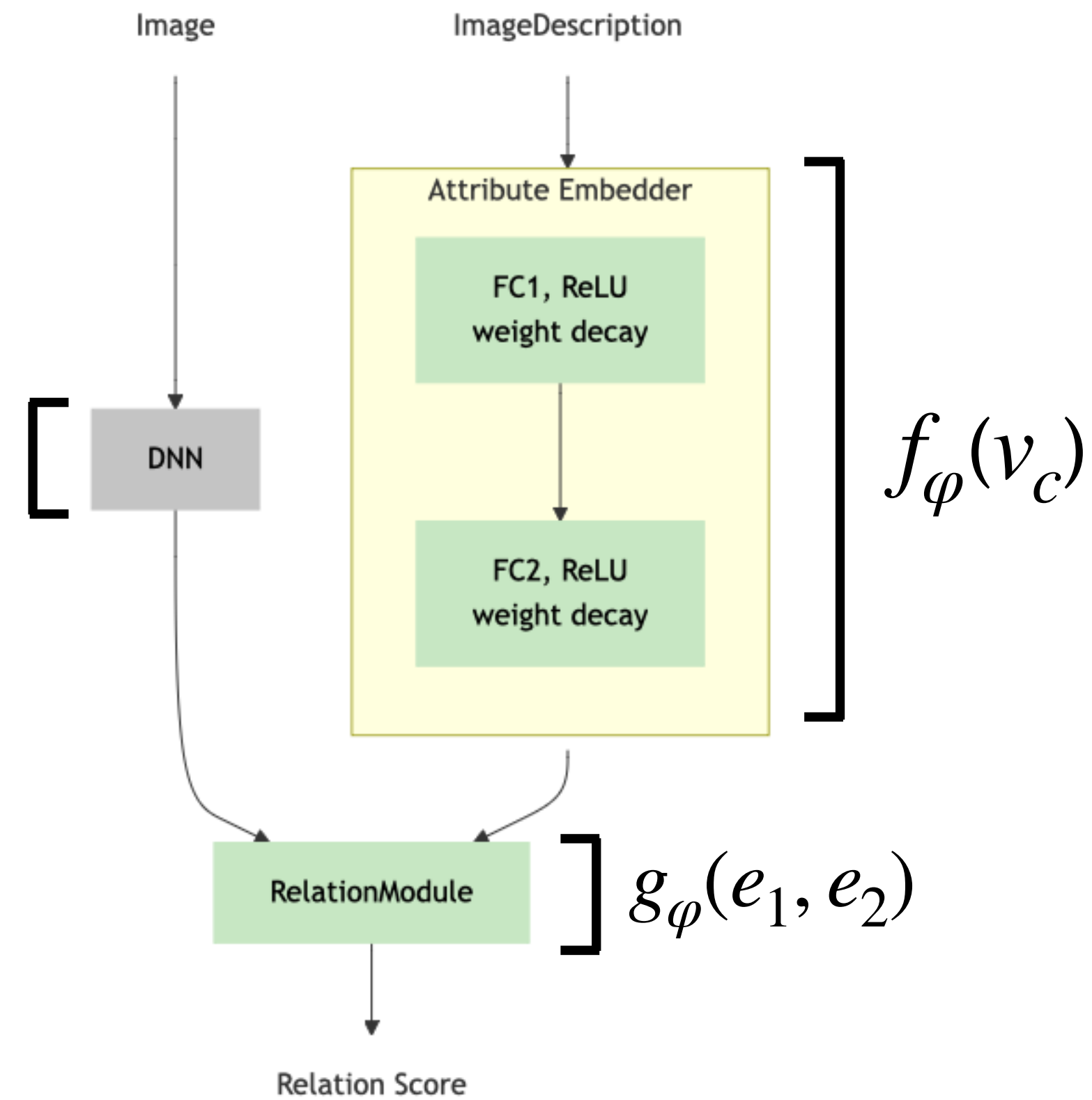
$$]g_{\varphi}(e_1, e_2)$$

Existing network
(e.g., Inception or
ResNet) pretrained
on ImageNet

[

Zero-Shot Learning (2)

Existing network
(e.g., Inception or
ResNet) pretrained
on ImageNet



Related Work

Metric Learning

T. Mensink, J. Verbeek, F. Perronnin, and G. Csurka. Metric learning for large scale image classification: Generalizing to new classes at near-zero cost. In *ECCV*, 2012

Matching Nets

O. Vinyals, C. Blundell, T. Lillicrap, D. Wierstra, et al. Matching networks for one shot learning. In *NIPS*, 2016.

Prototypical Nets

J. Snell, K. Swersky, and R. S. Zemel. Prototypical networks for few-shot learning. In *NIPS*, 2017.