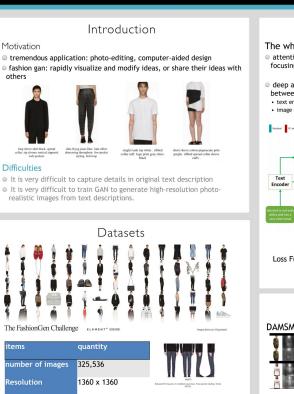
# GAN for Fashion: Fashion Image Generation Conditioned on Text Description

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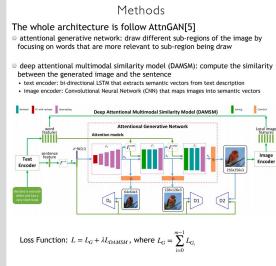


categories

number of items

multiple

78,850



# Results **DAMSM Training Results** AttnGAN Training Results



# Discussion

Text

Stage 2

- implement a conditional-gan, generate realistic fashion-photo based on text
- use attention generative model to build relations between specific word and
- two-stage refinement product high-resolution outputs (256 x 256)

## Discuss limitations or future work.

- higher-resolution image (1280 x 1280)
   multi-modal learning to transfer image to captions

# References

- Reed, S. (2016). Generative Adversarial Text to Image Synthesis. ICML2016.
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- Zhang, H. (2017). Stack-SAN: Text to Photo-realistic image synthesis with Stacked Generative Adversarial Networks, ICCV2017.
   Zhang, H. (2017). Stack-GAN++: Realistic Image Synthesis with Stacked Generative Adversarial Networks, IPAP 2018.
   Xu, T. (2018). AttmGAN: Fine-Grained Text to Image Generation with Attentional Generative Adversarial Networks, CVPR2018

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