

CS 523: Multimedia Systems

Angus Forbes

creativecommons.evl.uic.edu/courses/cs523

Today

- Present coding project
- Meet in groups to solidify Project 3
- Choose papers to read for next week

Face-to-BMI, Kocabey et al. 2017

<https://arxiv.org/abs/1703.03156>

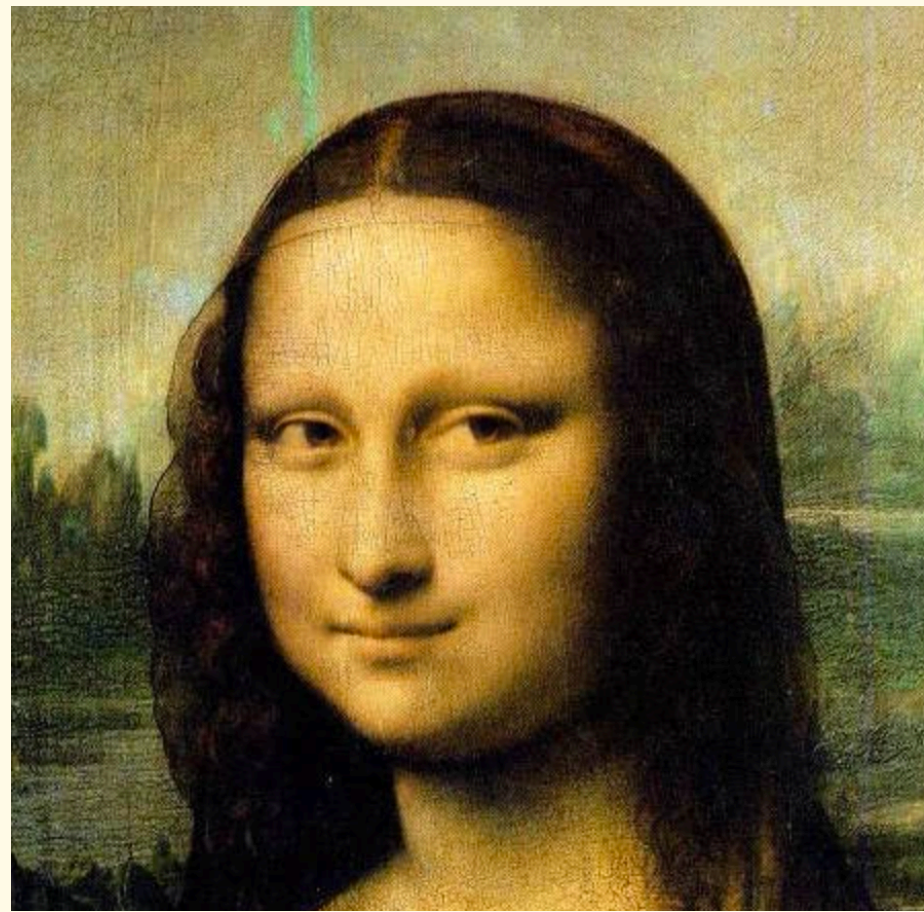
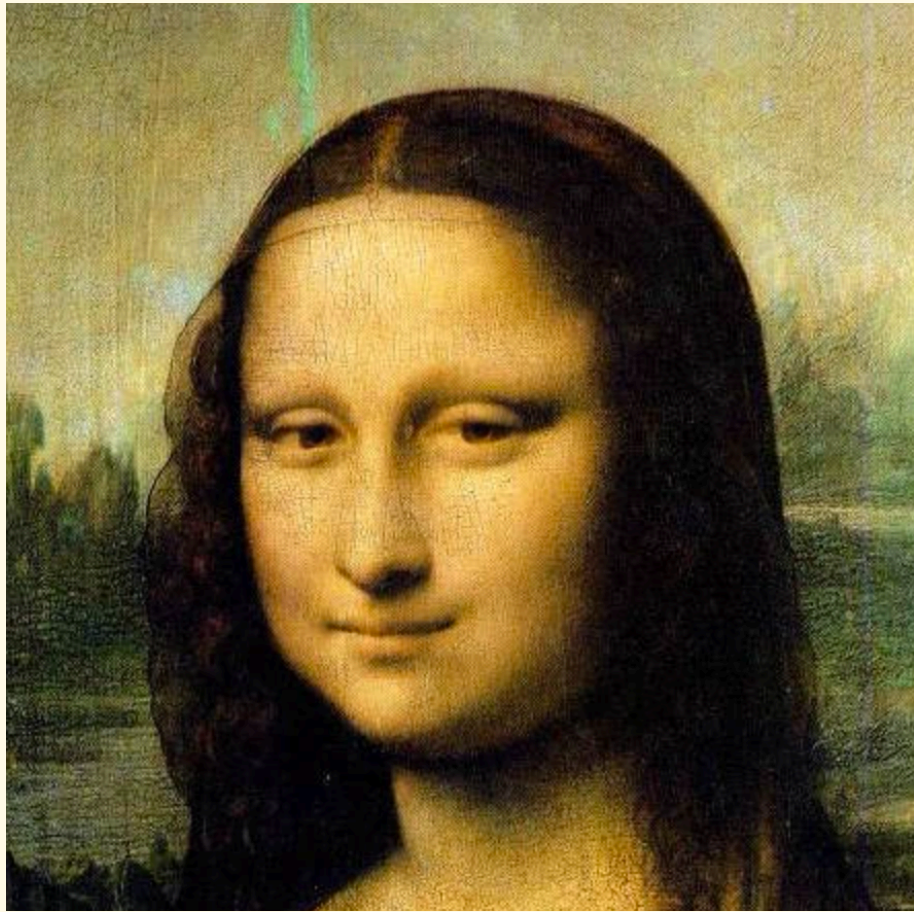
<http://face2bmi.csail.mit.edu/>



Deep Warp, Ganin et al. 2017

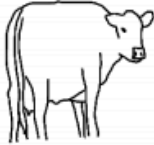
<http://sites.skoltech.ru/compvision/projects/deepwarp/>

<http://163.172.78.19/> (demo)



Deep Sketch Hashing, Liu et al. 2017

<https://arxiv.org/abs/1703.05605>

Free-hand sketch	Natural image (top)/Sketch-token(bottom)			Free-hand sketch	Natural image (top)/Sketch-token(bottom)		
 alarmclock				 tree			
 armor				 cow			
 castle				 teapot			

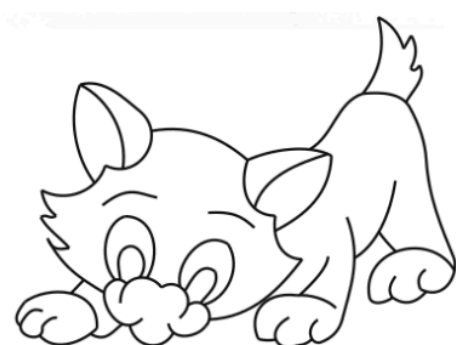
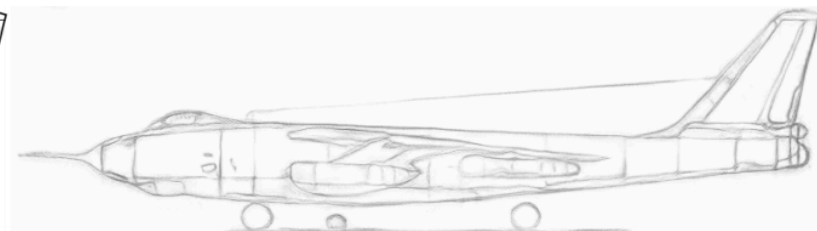
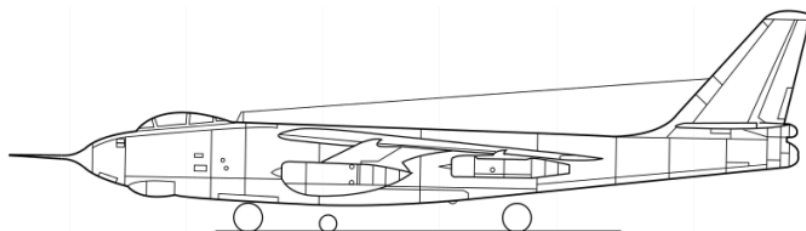
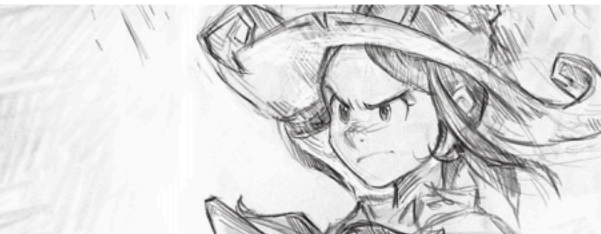
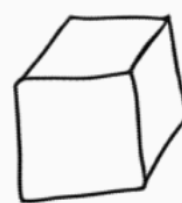
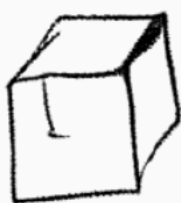
Mastering Sketching, Simo-Serra et al., 2017

<https://arxiv.org/abs/1703.08966>

Input

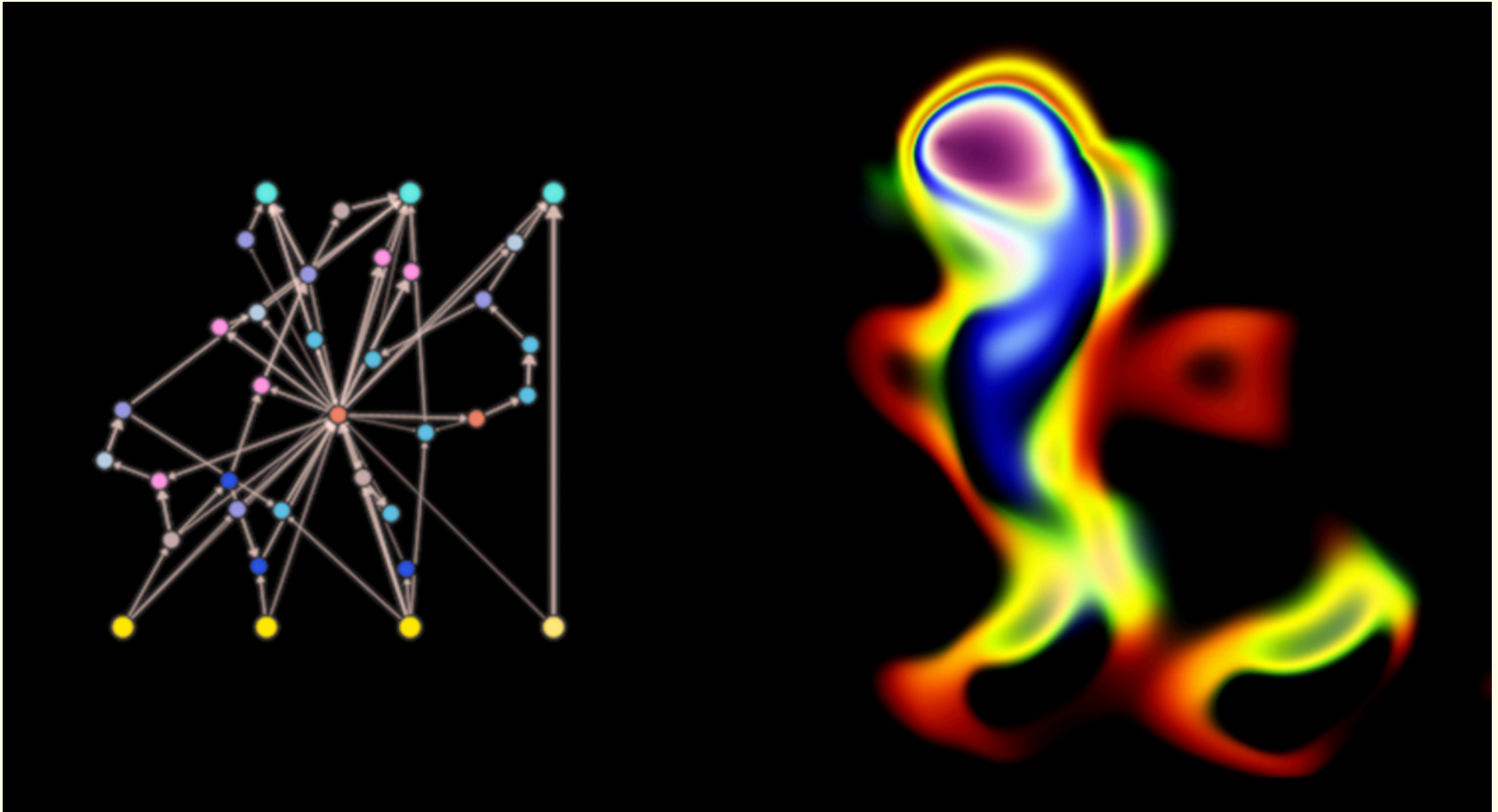
Supervised-only

Ours



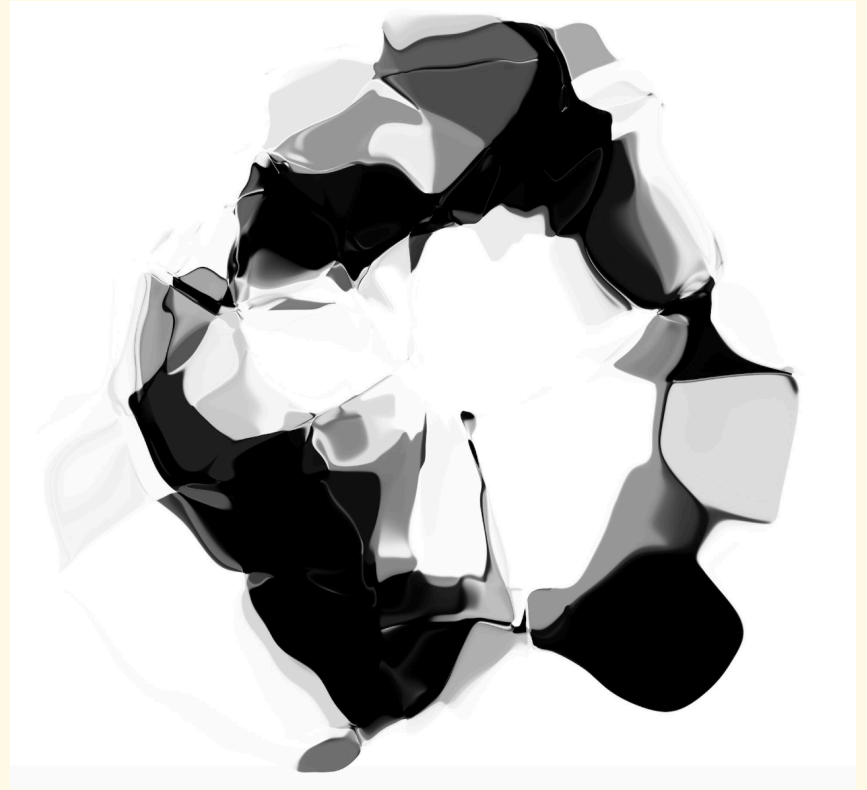
Neurogram, Studio Otoro, 2015

<http://blog.otoro.net/2015/07/31/neurogram/>



Generating Large Images from Latent Vectors, Studio Otoro, 2016

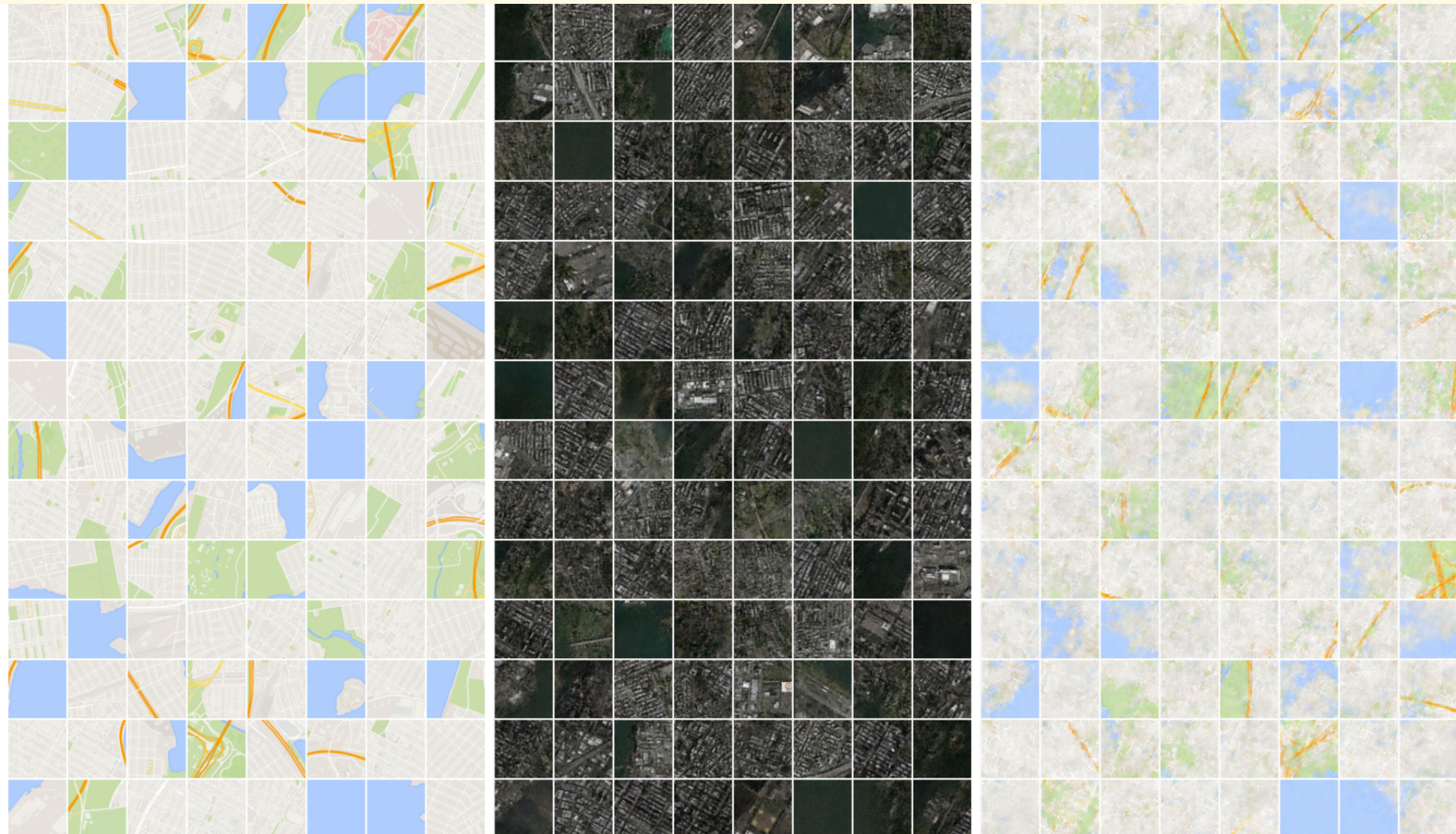
<http://blog.otoro.net/2016/04/01/generating-large-images-from-latent-vectors/>
<http://blog.otoro.net/2016/03/25/generating-abstract-patterns-with-tensorflow/>



DiscoGAN, Kim et al., 2017

<https://github.com/carpedm20/DiscoGAN-pytorch>

<https://arxiv.org/abs/1703.05192>



Deep Photo Style Transfer, Luan et al., 2017

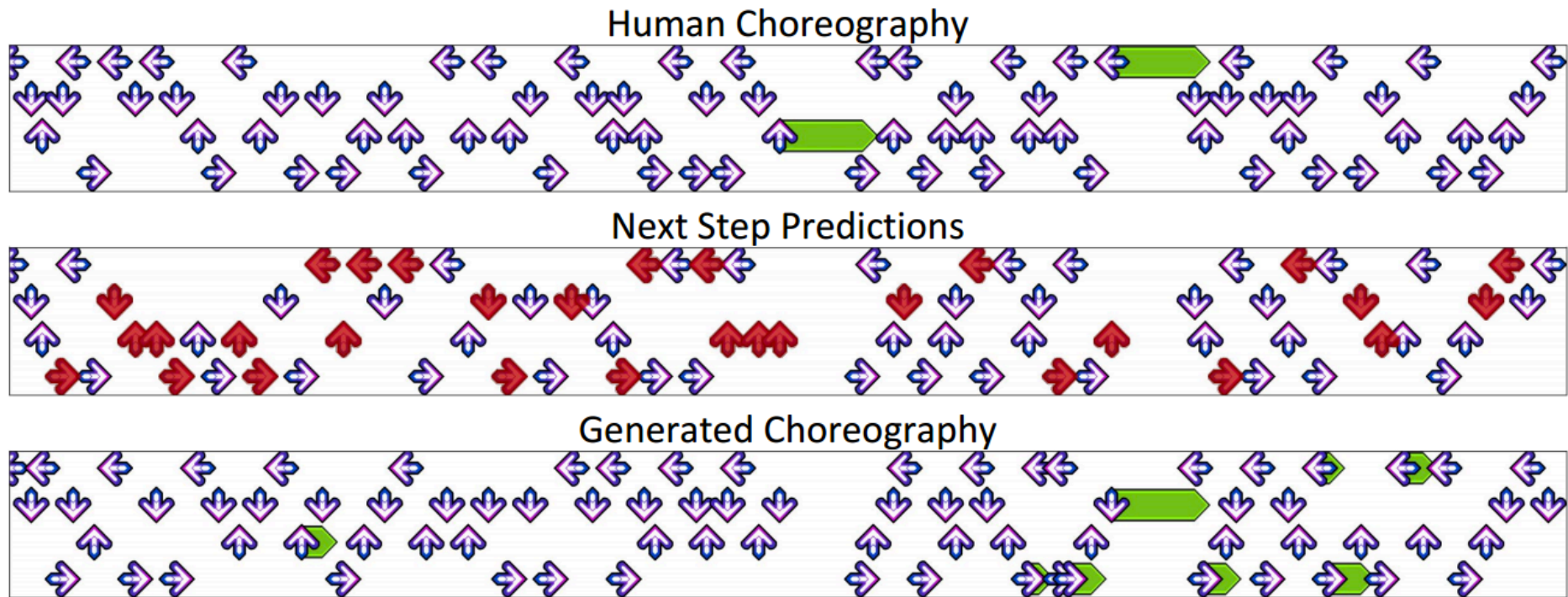
<https://arxiv.org/abs/1703.07511>

<https://github.com/luanfujun/deep-photo-styletransfer>



Dance Dance Convolution, Donahue et al., 2017

<https://arxiv.org/abs/1703.06891>



Negative Images, Hosseini and Poovendran, 2017

<https://arxiv.org/abs/1703.06857>



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