**Materials about GAN & GAN training**

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| **Link** | **what** |
| Intro + GAN example in Keras | <https://medium.com/analytics-vidhya/implementing-a-gan-in-keras-d6c36bc6ab5f> |
| <https://medium.com/datadriveninvestor/generative-adversarial-network-gan-using-keras-ce1c05cfdfd3> |
| Why training so hard + solutions | <https://medium.com/intel-student-ambassadors/reducing-mode-collapse-in-gans-using-guided-latent-spaces-36f52a08a668> |
| <https://medium.com/@jonathan_hui/gan-why-it-is-so-hard-to-train-generative-advisory-networks-819a86b3750b> |
| <https://github.com/soumith/ganhacks> |
| GAN hacks | <https://machinelearningmastery.com/how-to-code-generative-adversarial-network-hacks/> |
| Google developers GAN | <https://developers.google.com/machine-learning/gan> |
| VAE | <https://towardsdatascience.com/generating-images-with-autoencoders-77fd3a8dd368> |