

YETAI or the first AI generated NFT collection

White paper

The concept of blockchain and NFTs are revolutionary and will most likely have a direct impact on the everyday life of every individuals on earth in the coming years. Similarly, Artificial Intelligence is already in the heart of the improvements and new technologies that emerge today. That is why we decided to create Yetai, a project at the crossroad of those two incredible and fascinating fields. And this, by using Artificial Intelligence to generate images that will live on the Solana blockchain.



The purpose of this document is to give a big pictures of the AI technologies and algorithm that our team will use to generate all the images. This document tends to vulgarize as more as possible deep learning concepts, in order for the interested member of the community to understand the mechanism behind the image generation of the Yetai tribe. If anything seems shady to you any, please feel free to reach any member of the Yetai Team in the AI dedicated channel on the discord server.

Yetai supports the Solana Blockchain as each of its team member strongly believe in the future of the Solana ecosystem. Solana blockchain, provides fast and secure transactions with low gas fees which allows Yetain community to purchase, its NFT digital art crypto-asset in the best conditions.

How does GANs work ?

Ian Goodfellow's Generative Adversarial Network methods proposes uses two neural networks to create and refine new data. The first network is the *generator*, its purpose is to generate new images. The idea is to reverse the neural networks classification function. Usually a classification model takes raw data as input and maps it to determine outputs in the model, here instead the generator starts with the output and tends to generate the input data.

The second neural network, plays the role of the *discriminator*. It is a deep neural network used for its usual function: classification. The purpose of the discriminator is to evaluate the results produced by the generator. If the evaluation score is under a certain threshold, the generator has to correct the data for it to be reevaluated by the discriminator.

Both neural networks iterate until data evaluated with high score is generated

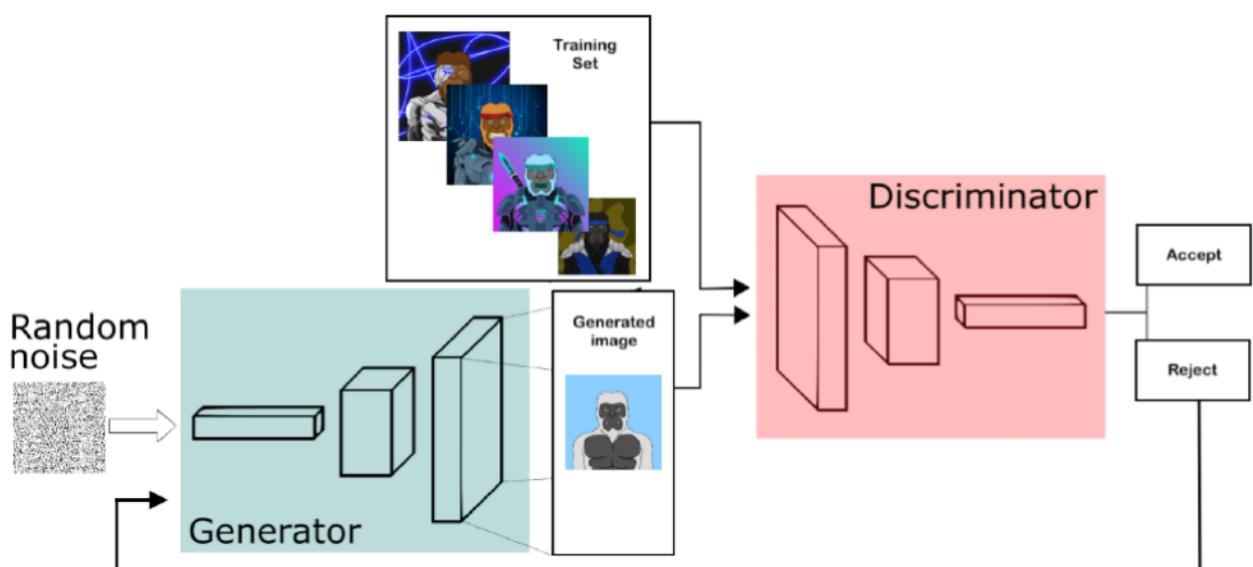


Fig1: Simplified model of the Gan used by Yetai

How will GAN generate Yetai ?

Using the process above, our Artificial Intelligence expert will train the model with Yetai images. Those images are the NFTs sold in the first collections, by purchasing a Yetai you not only purchase a cool png image like other NFT projects, but you become the official owner of either a part of the Yetai Dataset that is used to create 100% AI generated NFTs inserted in the Yetai collection, either a 100% AI generated NFT.