



# CREATE DIGITAL ART WITH PRIVACY ON ARTGO

Artgo is an AIGC-based NFT creating and trading platform with privacy.



# Privacy matters

We are living in a world with privacy .

**Zcash**

PRIVATE MONEY

**Aleo**

PRIVATE APPS

**Bitcoin**

PUBLIC MONEY

**Ethereum**

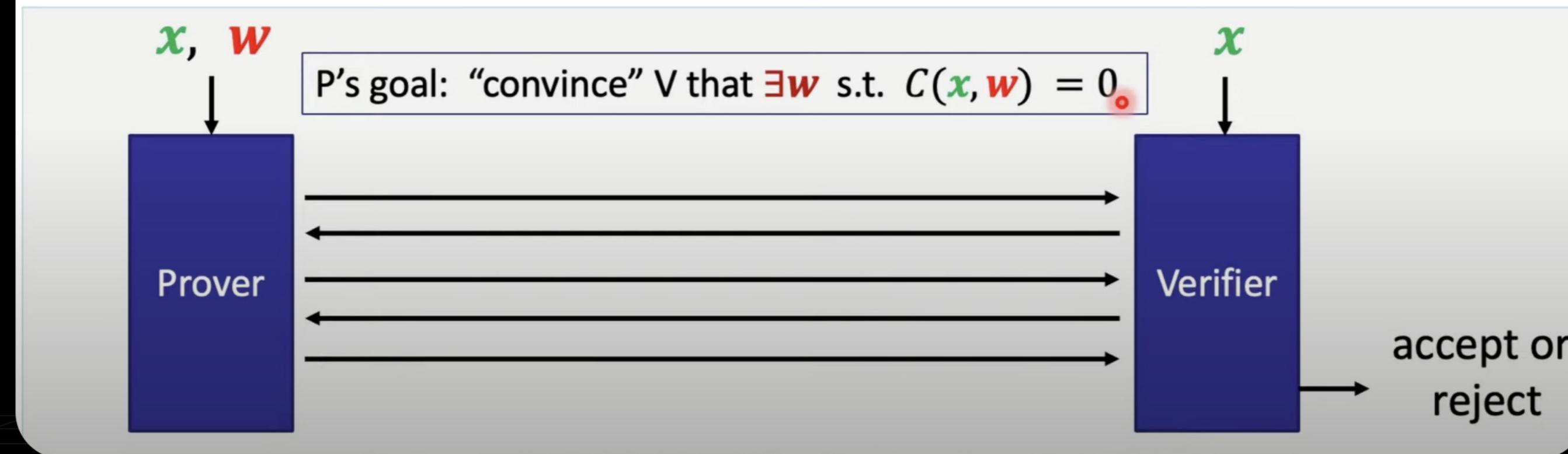
PUBLIC APPS

# Zero Knowledge Proof

Public arithmetic circuit:  $C(\textcolor{green}{x}, \textcolor{red}{w}) \rightarrow \mathbb{F}$

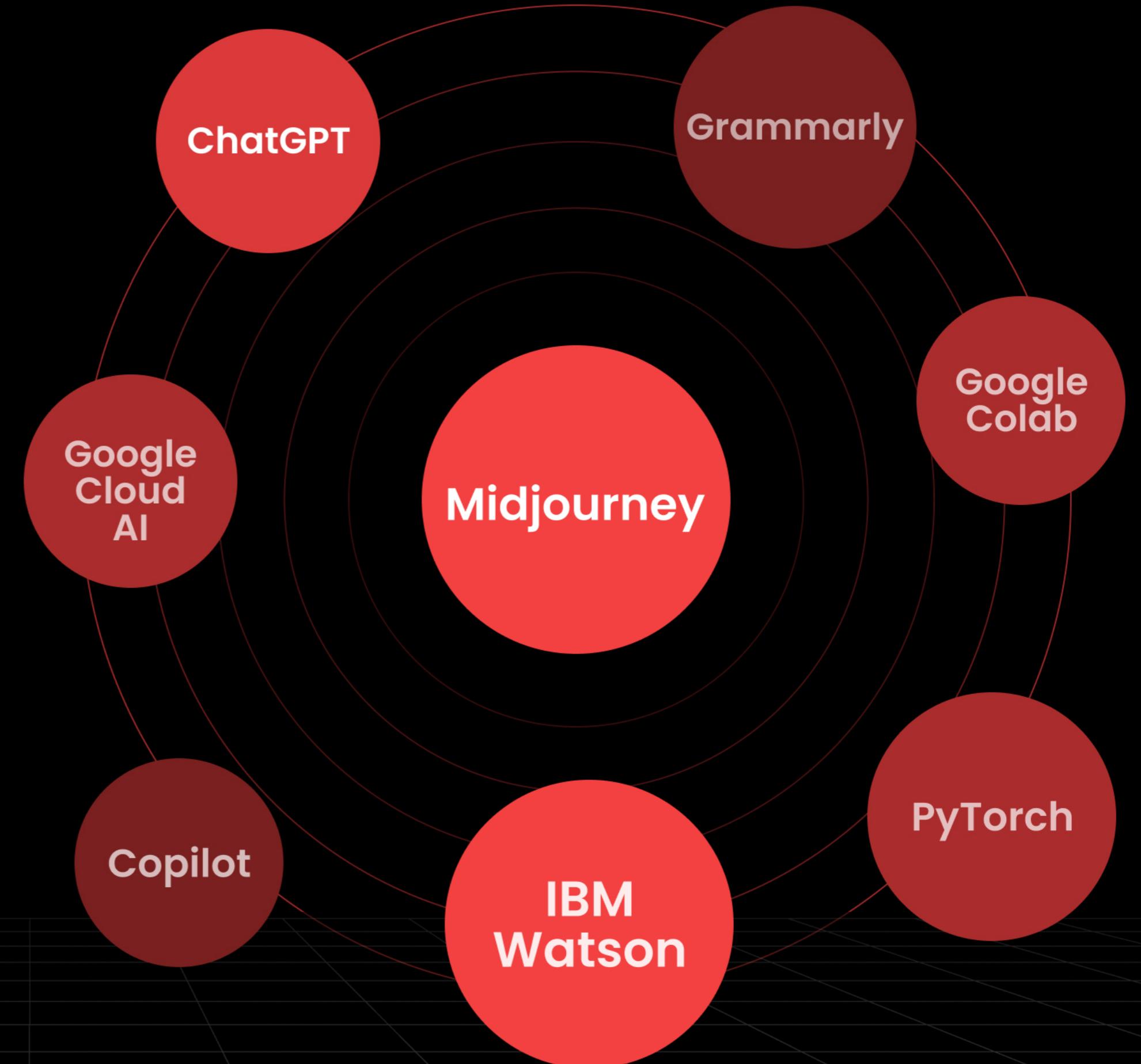
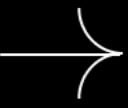
public statement in  $\mathbb{F}^n$

secret witness in  $\mathbb{F}^m$



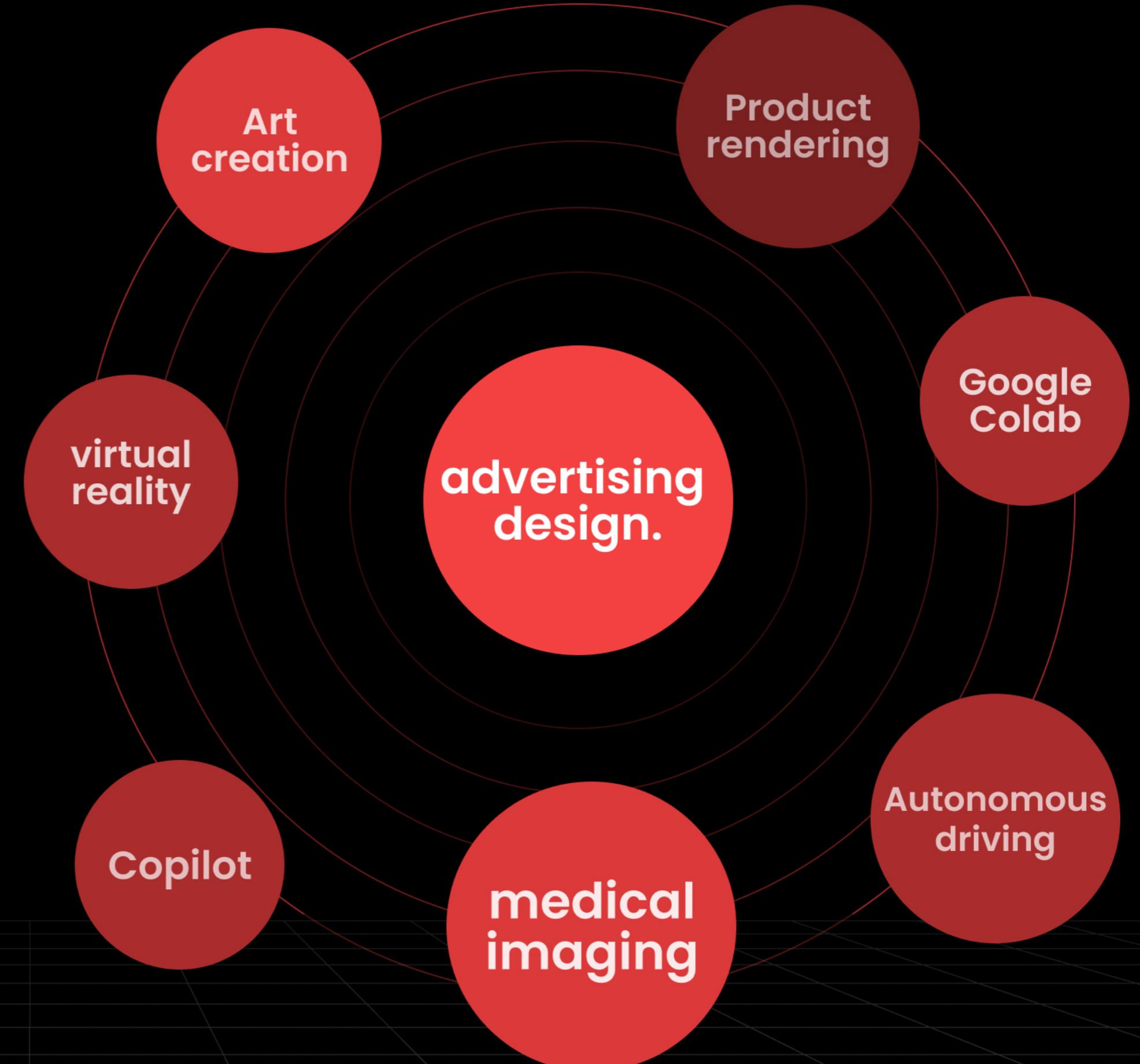
# AI is coming

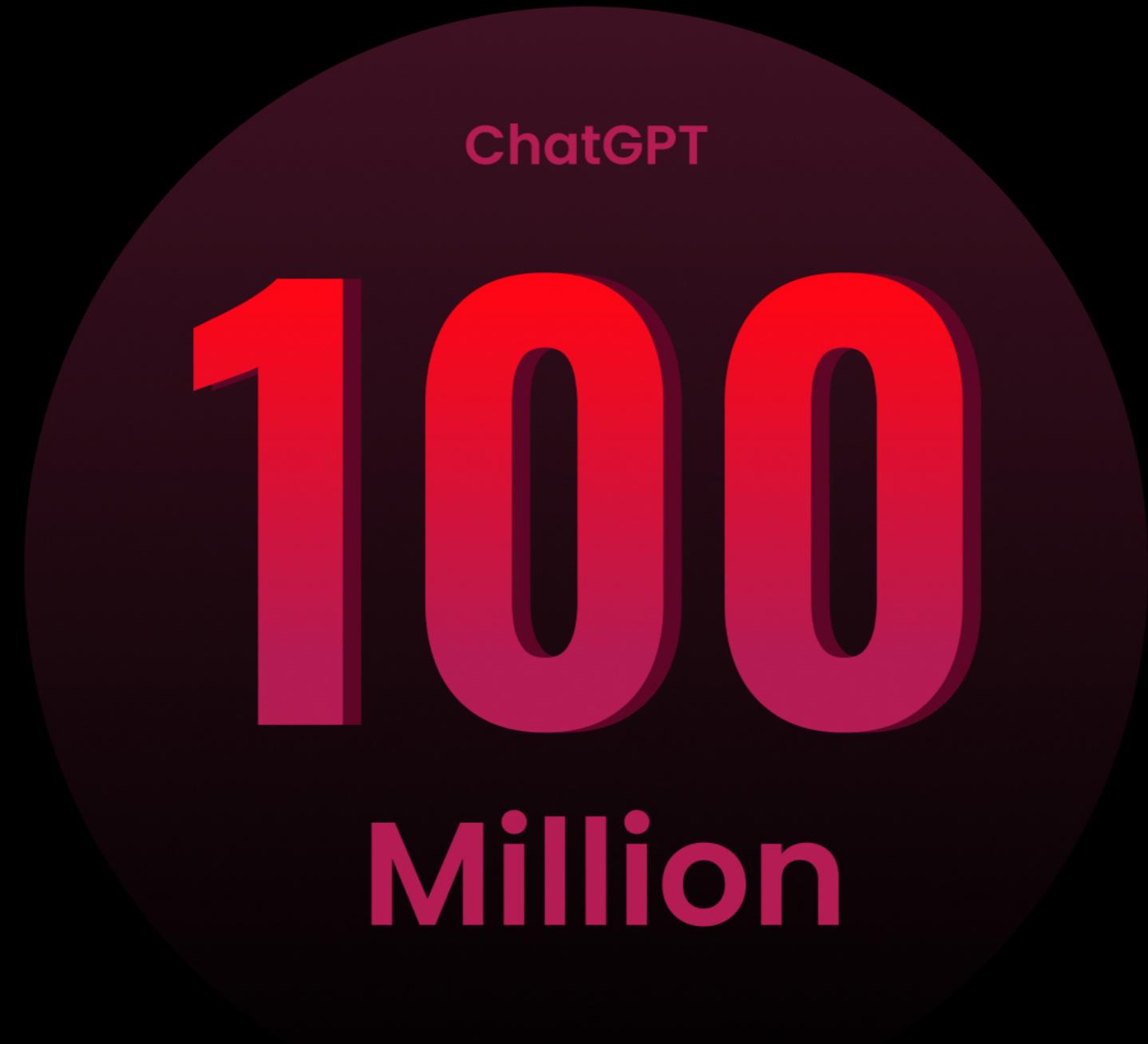
Application of AI in Blowout



# AI is coming

AI has been applied in many fields





**The combination of AIGC and NFTs can create new digital content and value.**

The digital content generated by AIGC can be transformed into NFT – a unique digital asset with collecting and investment value.

NFT

+



?

AIGC

# ZK + ML

There has been a long-term discussion around the topics of copyright and privacy, and **how to protect the copyright of NFT creators is also a problem that many NFT platforms face. Through ZK technology**, and with the help of privacy-oriented chain Aleo, we aim to solve this problem.

## Basic Principles

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### **Firstly,**

the Prompt should be associated with the task and should be as specific and accurate as possible.

### **Secondly,**

the Prompt should be adapted to different scenarios and users, such as different languages, cultures, and backgrounds.

### **Finally,**

the Prompt should be optimized and fine-tuned to ensure that it can provide the best guidance and prompts for the model.

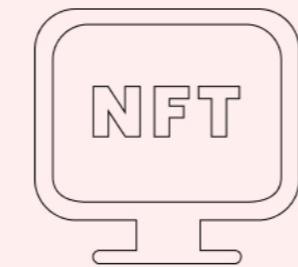
# Project Features + Introduction

Our R&D team consists of AI and Web3 professionals who have years of experience in their respective fields. The AI capacities are provided by the Waterwheel team. We aim to build an NFT creating and trading platform on Aleo with the best user experience.



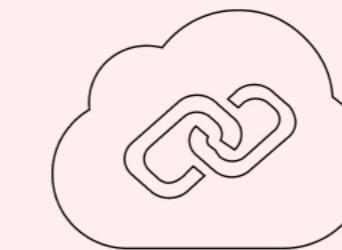
## Innovative AIGC tools

Artgo is developed by a senior AI team. It supports multiple AI models, and allows for free image creation based on user-input text information.



## The first Aleo NFT platform

Artgo is the first NFT platform on Aleo, which supports one-click-NFT-minting for AI-based user-generated images. An NFT trading platform will also be provided in the future.



## Prompt encryption Publishing

With the help of Aleo's privacy characteristics, Artgo encrypts Prompt information used by users and publishes it on chain, protecting creator privacy and copyright to the greatest extent.



# Instructions

We offer a wide range of AI models that allow users to create custom images with ease. Users can convert AIGC-generated digital content into NFT – **a unique digital asset with both collecting and investment value.**

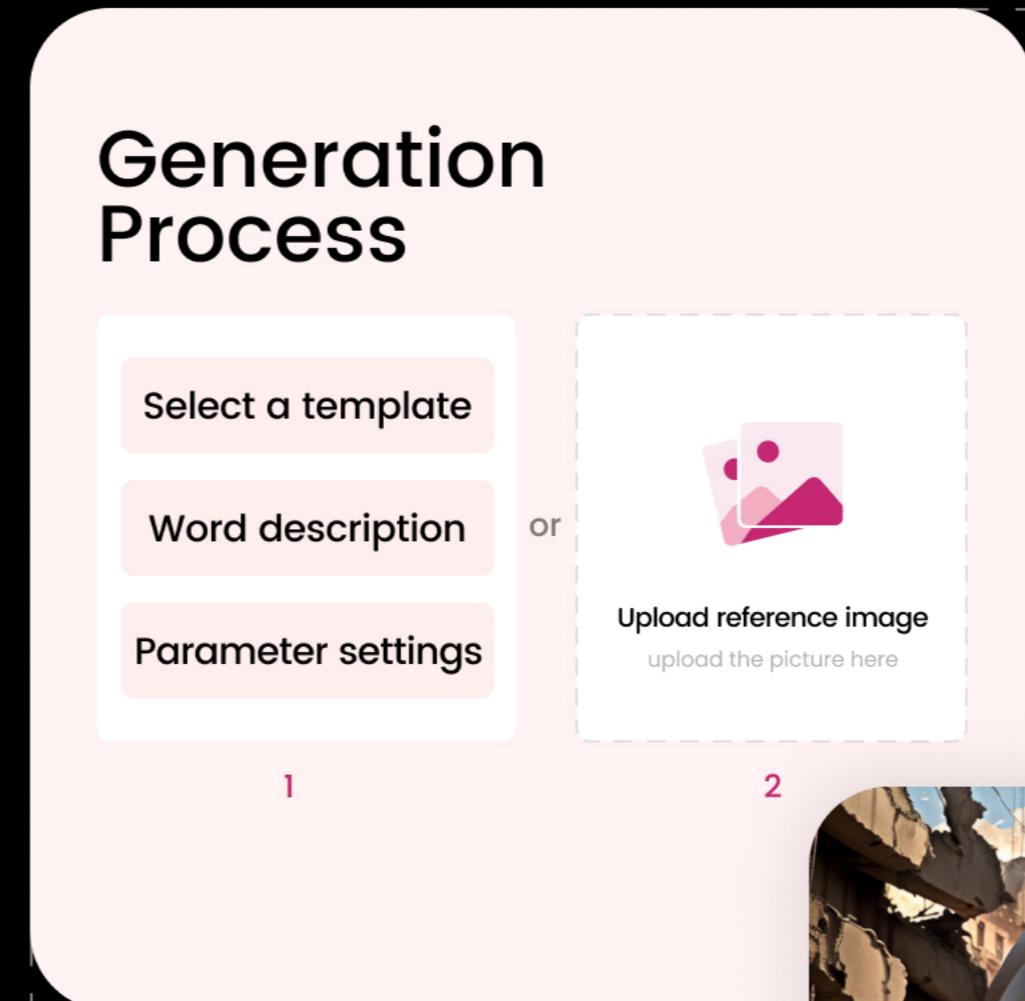
## Model



DreamShaper



MajicMIX sombre



# Models Introduction



DreamShaper

- The overall style of this model is somewhat fanciful, and it can also be used in anime and mecha styles.
- This model also has strong ability in depicting the background.
- This model is used to create a good portrait that does not look like a cg or a photo with a heavy filter, but rather resembles an actual painting.

## Recommended parameters :

- (1) We had ENSD: 31337 for basically all of them.
- (2) All of them had highres.fix or img2img at higher resolution.
- (3) Not use restore faces, as it washes out the painting effect.
- (4) Requires no LoRA for anime style.

# Models Introduction



- This model is based on the basic model Stable Diffusion 1.5, which is fine-tuned and trained using the CHECKPOINT MERGE method.
- This model is very suitable for artistic creations that depict real-life effects, with excellent contrast processing between light and dark.
- Even small freckles and moles on characters can appear. What is particularly shocking is the expressive power towards men. From muscles to blood vessels, everything is very real.

**MajicMIX sombre**



# AIGC + NFT Mint

Select model, Enter prompt and  
adjust parameters to generate an  
image.

Enter information such as name  
and introduction, and mint a NFT.

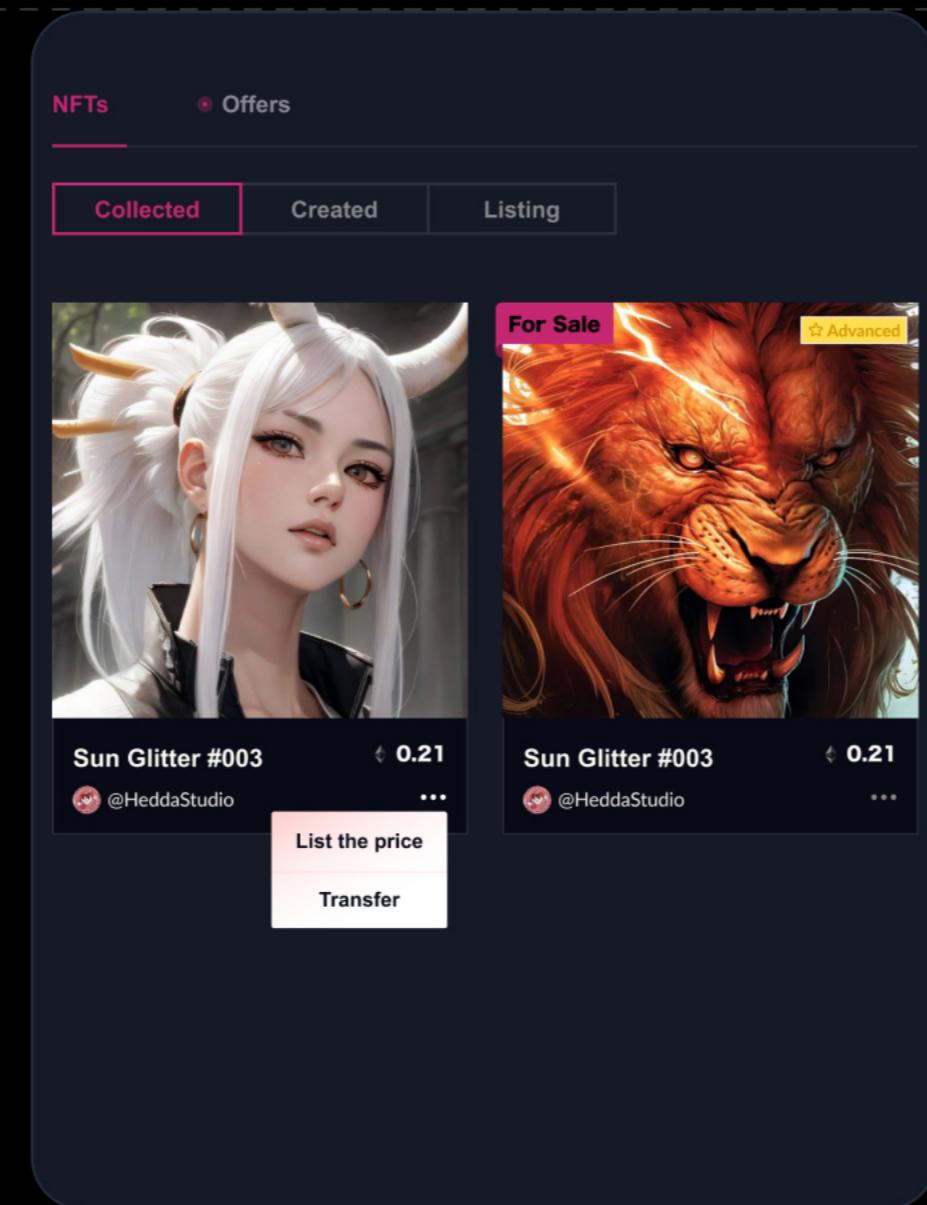
The screenshot shows the Artgo AIGC Mint interface. At the top, there's a navigation bar with the Artgo logo, AIGC Mint, Marketplace, Info, Wiki, English, Aleo Testnet, and a user profile icon. Below the navigation is a dark sidebar with a "WaterWheel" section. It displays a dropdown menu for "Please select a model" with "Beautiful" selected. Under "Basic" settings, the width is set to 126 and height to 39. The "Width & Height" dropdown is set to 512\*512 (Default). There are also sliders for "Batch size" (set to 5) and "Batch size" (set to 126). A "Create" button is at the bottom of this sidebar. To the right of the sidebar is a large preview area showing a generated image of a woman in armor holding a white cat. Below the preview are "Next" and "Download Image" buttons. The background of the main interface features a grid of various AI-generated artworks.

The screenshot shows the Artgo AIGC / NFT Mint interface. At the top, there's a navigation bar with the Artgo logo, AIGC Mint, Marketplace, Info, Wiki, English, Aleo Testnet, and a user profile icon. Below the navigation is a breadcrumb trail "AIGC / NFT Mint". The main form area has sections for "Display" (with a preview image of a woman in a white dress), "Artwork Name\*" (input field with placeholder "Please enter the name of the artwork."), and "Artwork Introduction" (input field with placeholder "Please introduce the content of the artwork."). A "Create" button is at the bottom of the form. The background of the main interface features a grid of various AI-generated artworks.

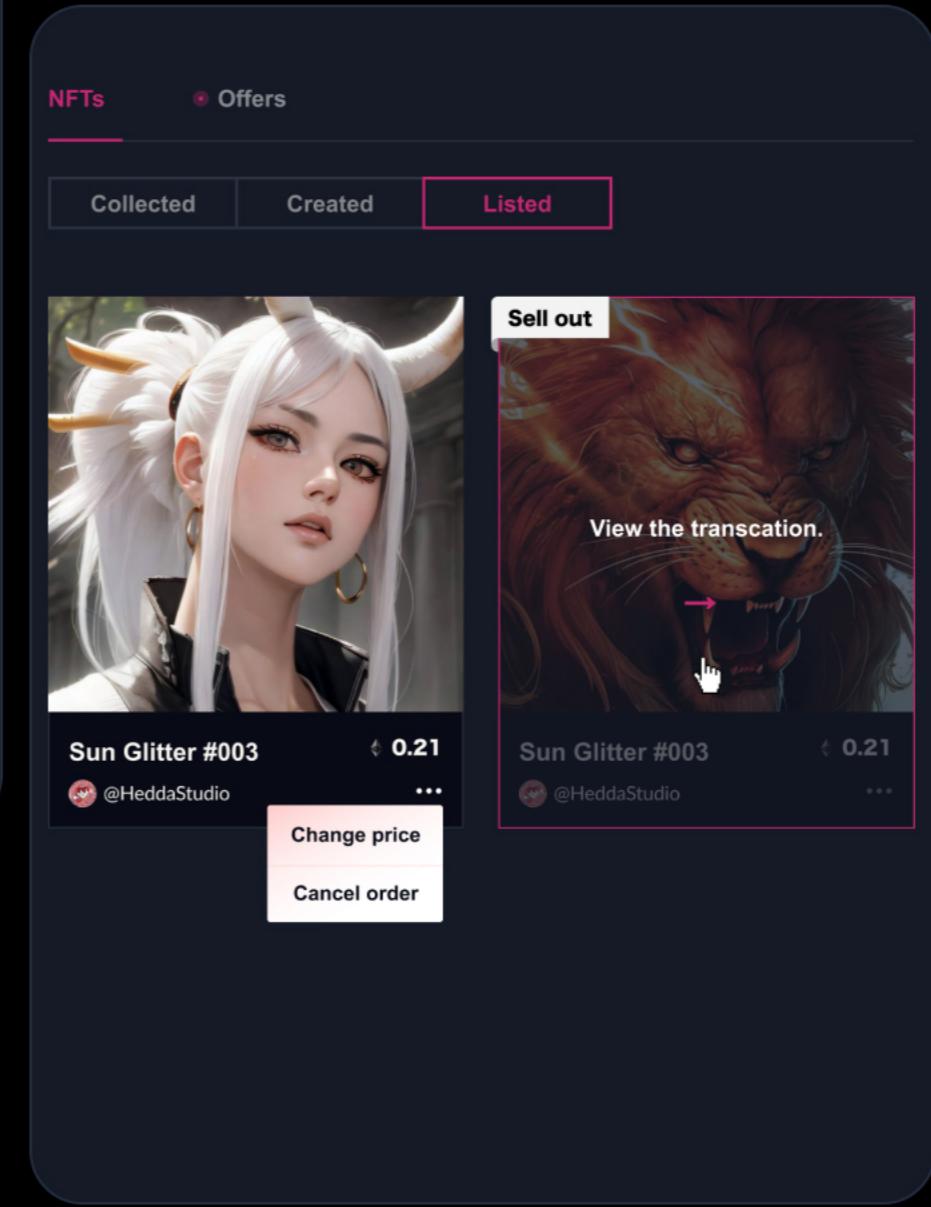


# My NFT

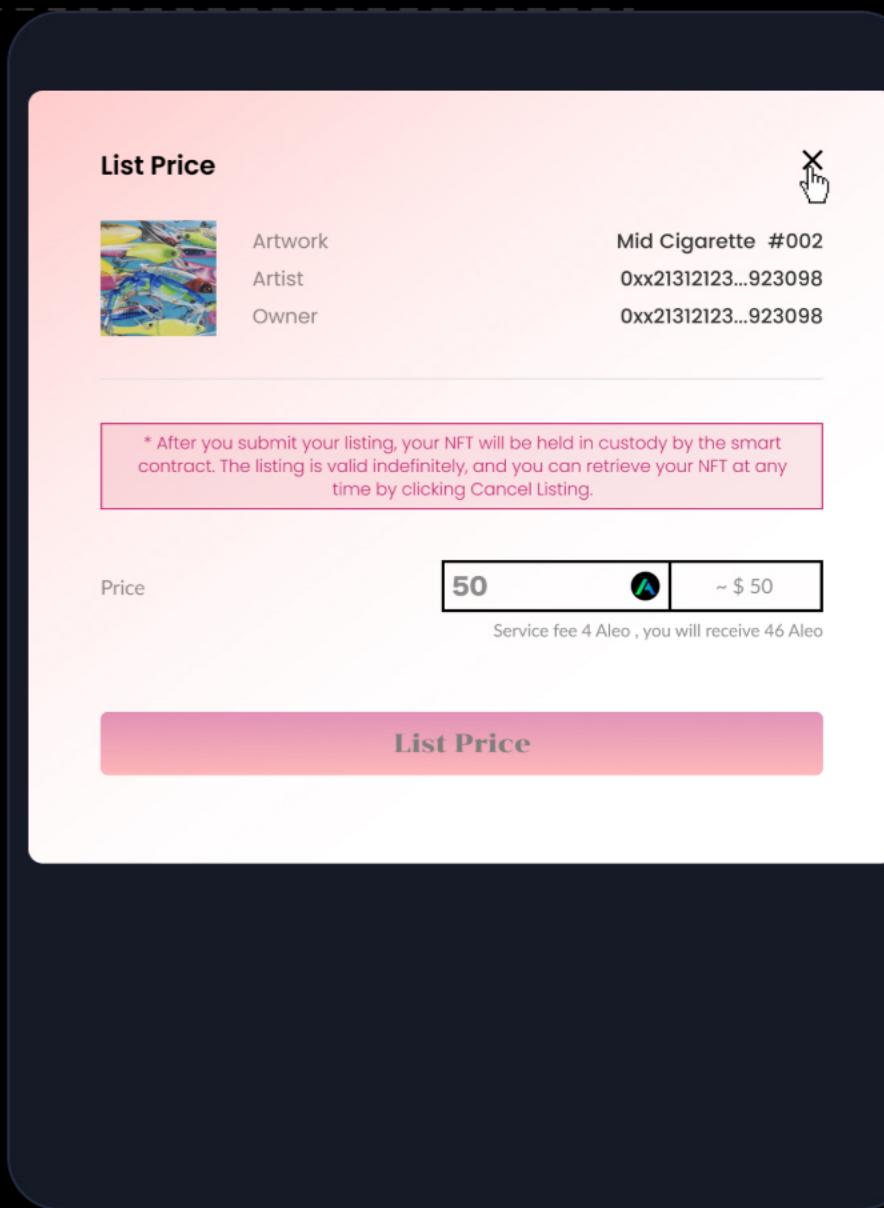
NFT management, including NFT transfer and list on NFT marketplace.



Collected



Listed

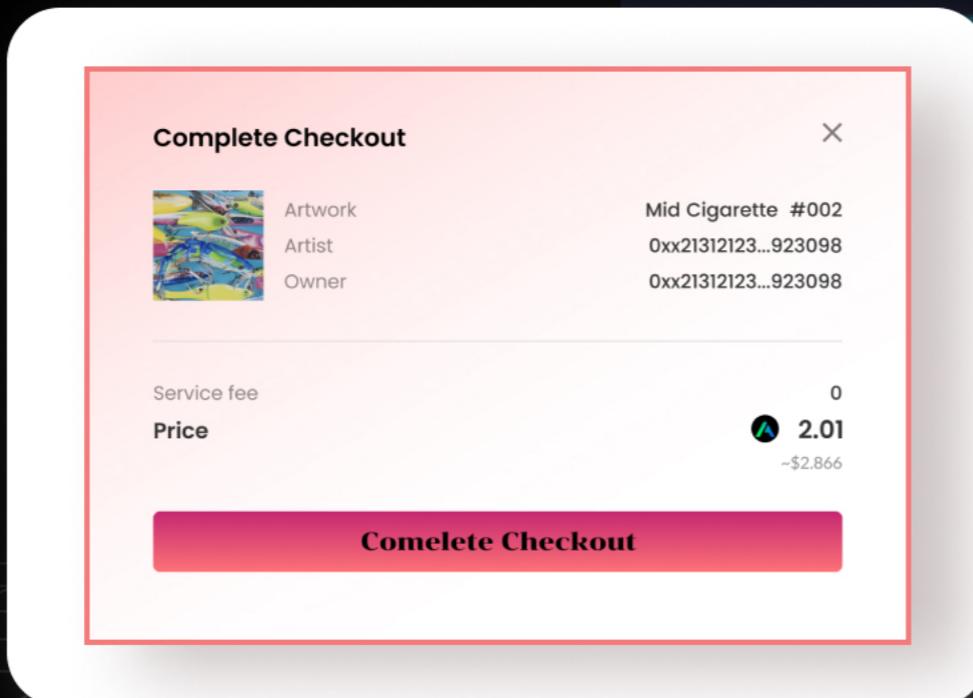


List



# NFT Marketplace

You can purchase any NFT of interest in the NFT marketplace.



The screenshot shows the Artgo Marketplace homepage. At the top, there is a navigation bar with the Artgo logo, AIGC Mint, Marketplace, Info, and Wiki buttons. Below the navigation bar is a search bar with filters: "Buy now" checked and "Created: Newest". The main content area displays a grid of NFT items. Each item card includes the artwork thumbnail, the title "Cool Guy Gliter", the artist's handle "@ArchieLato", the price (e.g., 0.21), and a "Buy Now" button. Some cards also show a "coming soon" status or a "Make offer" button. The items in the grid vary in type, including a landscape, a colorful gradient, a cartoon character, a portrait, and a scene with a lantern.



# Partner

Aiming to create an AI GC-based NFT creating/trading platform, while using ZK technology to encrypt and publish the Prompt onto blockchain to protect the privacy and copyright of NFT creators.



**WaterWheel**

**WaterWheel**



**TryYourAI**

**TryYourAI**

# Roadmap

## 2023.Q2

- ▶ Form a developing team, select AI models and build the text-to-image generation capability.
- ▶ Develop a demo, support text-to-image generation, and build a user-friendly AIGC+ NFT minting platform.
- ▶ Launch the Dapp on Aleo testnet, and participate in the Deploy Incentives Program.

## 2023.Q3-Q4

- ▶ Further enrich the AI models supported by the platform to facilitate users to create more types of images.
- ▶ Develop NFT transfer/NFT second-market trading features, supporting users to earn through creating and to purchase NFT on the platform.

## 2024.Q1-

- ▶ Expand the types of AIGC and add support for image-to-image generation.
- ▶ Support NFT primary-market issuance (mystery box, auction, launchpad, etc.).
- ▶ Develop an AI scoring feature that allows AI to rate user-generated images.
- ▶ Make use of the machine learning (ML) capability of Aleo to ZK-ize the NFT generation model.



# Contact us

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THANKS