The Complete AI Image Generation and Manipulation Tutorial!

by Efficient Emu aka The Zhuge

Foreword

In an era where the blending of art and technology is more profound than ever, the domain of AI-driven image generation, manipulation, and editing has emerged as a marvel of human ingenuity. This guide is not just a compendium of instructions and tools—it is an ode to the boundless possibilities AI brings to the digital art and design landscape.

Over the course of my exploration, I've delved into a plethora of applications, experimented with their features, and have been both challenged and astounded by their capabilities. Within these pages, you will find an overview of apps I have personally used, tested, and found value in. However, this is not an exhaustive list, nor is it a one-size-fits-all solution. The world of AI imaging is vast and ever-evolving, and what works best may differ for each individual.

My primary motivation for crafting this guide is empowerment. There's a certain magic in being able to transform, create, and manipulate images with a few clicks or commands, and I believe that everyone should have access to this magic. While certain platforms may gatekeep behind paywalls and subscriptions, knowledge should remain accessible and free. By revealing what I have discovered, I hope to demystify the realm of AI imaging and to help others harness its potential for their own creative endeavors.

As you navigate through this guide, I encourage you to approach it with an open mind and a sense of curiosity. Just as artists once marveled at the first strokes of paint on a canvas, today we stand at the cusp of another creative revolution. It is my sincere hope that by sharing my insights, I can inspire others to dive into this exciting world and discover the artist within.

Prelude

The art of altering images isn't a product of the digital age. In fact, the history of photo manipulation dates back to the early days of photography itself. As soon as the camera was invented, photographers began experimenting, pushing the boundaries of the medium to bring their visions to life.

In the 19th century, techniques such as **combination printing** were used, where multiple parts of different photographs were combined into a single image, often to correct limitations of early photography. Think of it as a manual predecessor to Photoshop's layering technique. Another common practice was to manually touch up black and white photographs using ink, paint, or airbrushing.

Fast forward to the 20th century, and the game-changer arrived: **digital technology**. The introduction of computers and software like Adobe Photoshop in the late 1980s and early 1990s transformed the realm of image manipulation. Tasks that previously required painstaking hours in the darkroom were now achievable in minutes with a computer. Layers, digital brushes, filters—these tools democratized photo manipulation, making it accessible to a broader audience.

However, as the 21st century dawned, a new player entered the scene, heralding another monumental shift: **Artificial Intelligence**. Unlike traditional software that relied on the user's input, AI brought predictive and automated capabilities. It could 'learn' from vast datasets of images, making suggestions or even executing changes autonomously.

This advancement led to the emergence of **AI-driven image generation**. Techniques like neural style transfer, which imbued photographs with the artistic strokes of renowned painters, became possible. Beyond mere manipulation, AI began creating: Generative Adversarial Networks (GANs), for instance, can generate entirely new, realistic images, be it faces that don't belong to real humans or landscapes from fictional worlds.

Moreover, the realm of AI-driven image manipulation expanded to cater to specialized tasks: automatic color correction, flaw detection, image super-resolution, and object recognition and manipulation.

This evolution from manual, tactile adjustments in the darkroom to the automated, intelligent capabilities of AI paints a fascinating picture of human creativity merged with technological advancement. It's a testament to our insatiable drive to reimagine, recreate, and redefine the boundaries of visual expression. And as AI tools become more sophisticated, the line between human-made and machine-generated art grows ever more intriguing and blurred.

The Foundation of AI in Image Editing

The fusion of Artificial Intelligence (AI) with image editing is not merely a contemporary trend; it's a significant leap in the field of visual arts and digital technology. Before we dive deep into tools and techniques, it's vital to establish a solid understanding of the foundation. Let's break down the basics.

1. What is AI?

At its core, AI is a domain of computer science that seeks to create systems capable of performing tasks that would normally require human intelligence. These tasks include pattern recognition, decision-making, language understanding, and, of course, image recognition and manipulation.

2. How does AI relate to Image Editing?

Images, when you break them down, are just data—arrays of pixel values. Traditional image editing is done by altering these values based on set algorithms: for example, increasing brightness means increasing the value of each pixel by a set amount.

AI, on the other hand, is not limited to predefined algorithms. Using machine learning, a subset of AI, systems can 'learn' from vast datasets of images. When AI is applied to image editing:

It can predict how an image should be enhanced or edited based on patterns it has learned.

It can recognize objects within images, making it easier to manipulate specific elements.

It can generate new content, even creating images from scratch.

3. Neural Networks and Deep Learning

Much of the AI magic in image editing comes from neural networks, particularly deep learning models. These are algorithms inspired by the structure and function of the brain.

For image editing, Convolutional Neural Networks (CNNs) are particularly valuable. CNNs are adept at processing and interpreting the visual data in images. They can detect edges, textures, and patterns, which is why they're central to many AI-enhanced editing tools.

4. Evolution of AI in Image Editing

The journey of AI in this domain began with simple automations—like auto color correction or red-eye removal. But with advancements in deep learning, the boundaries expanded. Now, we have:

Style transfer techniques that can apply the artistic flair of famous paintings to your photographs.

Image super-resolution where AI algorithms can increase the resolution of images, making them sharper. AI-based retouching where blemishes, scars, or any unwanted element can be removed seamlessly. Content generation, like NVIDIA's GANs (Generative Adversarial Networks), that can conjure realistic images from scratch.

In conclusion, understanding the foundation of AI in image editing gives one a deeper appreciation of the tools and techniques we'll explore next. It's a dance between technology and art, algorithms and creativity. The fusion of AI and image generation has birthed a plethora of

applications that offer diverse functionalities, ranging from basic edits to the creation of entirely new visuals. Let's delve into an overview of some prominent players in this domain.

TOOLS OF THE TRADE

AI Image Generators

Option 1: Photoleap
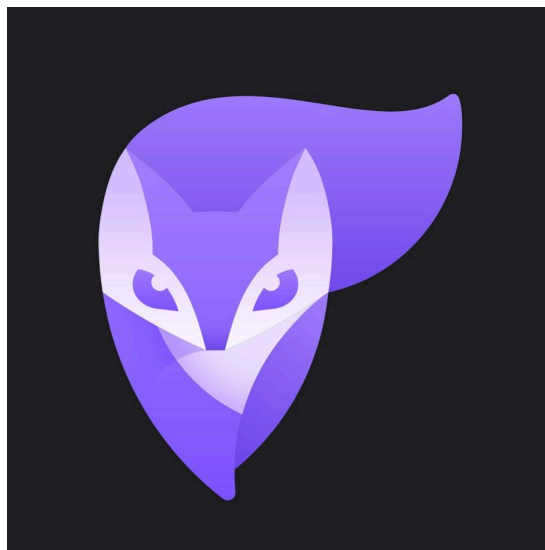
Description:

Photoleap is an AI-driven photo editing application designed for both iOS and Android platforms. With its versatile range of features, it caters to novices and seasoned professionals alike, making intricate edits more accessible.

Strengths:

1. Layer-Based Editing: One of its standout features, Photoleap's layer-based editing functionality allows users to create complex compositions by blending or superimposing multiple images seamlessly.

2. AI-Enhanced Tools: The app boasts several AI-powered features such as background removers, sky replacements, and adaptive filters. These tools automatically enhance images, reducing manual effort and ensuring high-quality outputs.

3. User-Friendly Interface: Despite its advanced capabilities, Photoleap maintains a straightforward and intuitive user interface. This ensures that even users new to photo editing can navigate and use the app effectively.

4. Artistic Flair: Beyond standard edits, Photoleap offers a range of artistic tools and effects. Users can emulate styles from watercolors to oil paintings, broadening the scope of creative possibilities.

Weaknesses:

1. Learning Curve: While the app is user-friendly, its extensive range of features can be overwhelming for absolute beginners. It might take some time for users to get accustomed to the full suite of tools and make the most out of them.

2. Subscription Model: Photoleap operates on a subscription model for its Pro version, which might not appeal to everyone, especially casual users. Some of the app's best features are locked behind this paywall.

3. Performance Issues: On older mobile devices or those with limited processing power, using multiple layers and intensive AI tools might lead to performance lags or even crashes.

4. Limitations of Mobile Editing: Despite its robust toolset, Photoleap is still a mobile app. Thus, it might not fully replace desktop-grade software for some professionals who require more advanced capabilities or a larger workspace.

5. Heavily censored: Despite its elite capabilities, the app is heavily censored, so if an image or keywords are too NSFW it won't generate anything.

Option 2: Wonder

__Description:__

Wonder harnesses the power of AI to transform your photos into artworks based on different styles. By using neural networks and its algorithms, it reimagines your images in the style of famous artists or any other images you provide.

Strengths:

1. Style Transfer Mastery: Wonder excels at neural style transfer. It effectively captures the essence of notable artworks and seamlessly combines them with user photos, producing unique and compelling results.

2. User-Defined Styles: Apart from predefined styles, users can upload their own images as styles. This means endless possibilities—from mimicking a favorite artist to adopting the aesthetic of a cherished photograph.

3. Web and Mobile Presence: With both a web platform and a mobile app, Wonder offers flexibility to users who want to transform images on the go or on larger desktop displays.

4. Community Aspect: allows users to share their creations within the platform, fostering a community of enthusiasts sharing and appreciating AI-generated art.

Weaknesses:

1. Processing Time: Due to the intensive computations required for style transfer, there can be a wait time for the transformation. This is especially true for high-resolution images.

2. Limited to Style Transfer: Unlike broader editing tools, Wonder focuses primarily on style transfer. While it does this exceptionally well, users looking for a wider array of editing functionalities might find it limiting.

3. Quality Variance: The outcome can vary based on the images provided. While some results are genuinely stunning, others might need tweaking or might not align with user expectations.

4. Freemium Model: While Wonder offers free transformations, there are limitations in resolution and processing speed. Higher resolutions and faster processing times come with a cost.

5. No NSFW Generation: Despite its elite capabilities, the app is heavily censored, so if an image or keywords are too NSFW it won't generate anything.

UNCENSORED MODELS

Option 1: Soul Gen AI
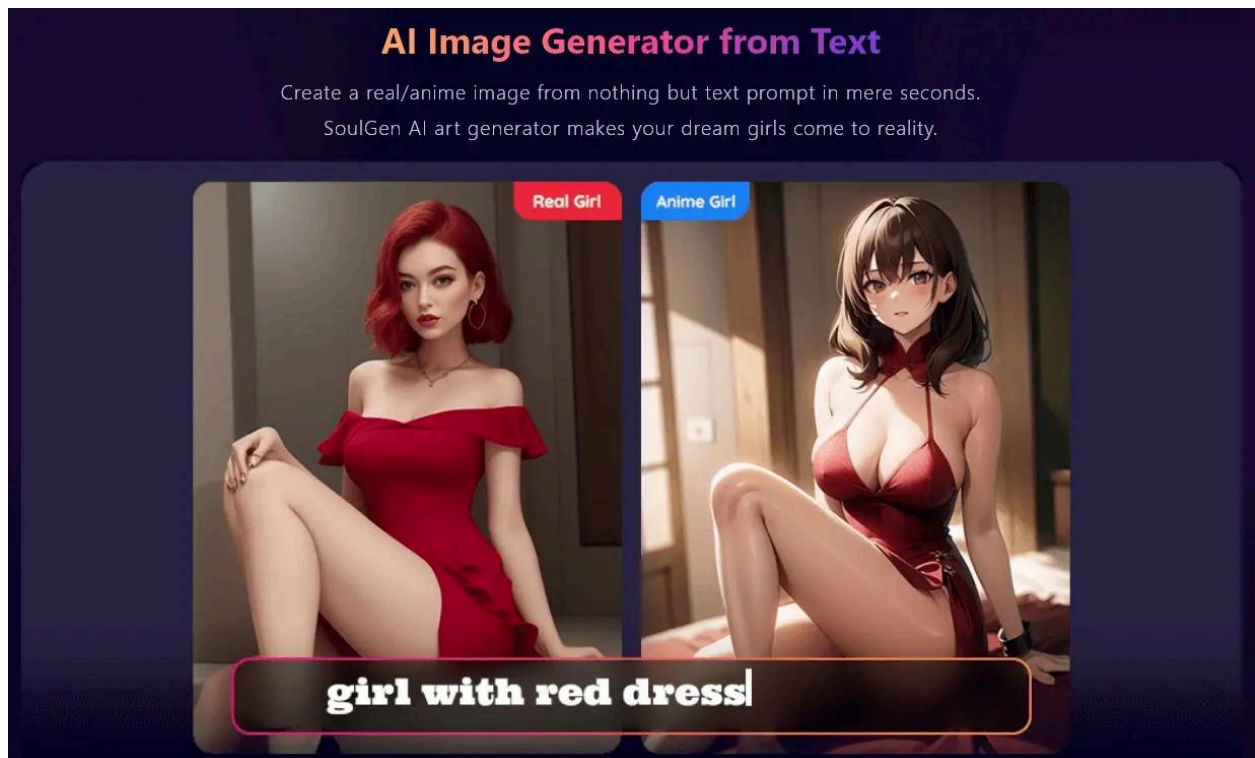
Description:

SoulGen is an AI-driven NSFW art tool specialized in producing detailed anime and realistic images of females based on textual descriptions. With SoulGen, you can craft top-tier anime figures, captivating fantasy settings, and lifelike portraits. The AI-powered lady creator empowers users to envision their ideal character effortlessly. This platform provides an array of tags to refine aspects like attire, hairstyle, physique, and more. By uploading a photo, users can guide the system to shape characters resembling the provided image. Moreover, the newly introduced "image modification" and "image expansion" functionalities offer boundless possibilities for customizing visuals.

Strengths:

    1. High-Quality Output: Leveraging advanced deep learning techniques, this AI-powered portrait tool delivers impressively authentic artwork, be it in real-life or anime

style. It captures nuances such as complexion, distinct facial attributes, and intricate aspects like attire and hair.

2. User-Friendly Interface: Being web-based, the platform is easily accessible to a broad audience. Even without artistic expertise, individuals can harness the capabilities of this AI image tool, making it versatile for various user profiles.

3. Efficiency: SoulGen stands out for its swift art generation, enabling users to expedite their creative process. Furthermore, its economical approach delivers high-quality outcomes without breaking the bank.

Weakness:

1. Restrictions on Complimentary Usage: While SoulGen permits initial input prompts without charges, accessing and downloading the high-resolution final product incurs a fee.

2. Absence of Mobile Support: The tool isn't listed on platforms like the Google Play Store or Apple App Store, restricting its accessibility for mobile device users.

3. Limited NSFW options: This Program focuses mainly on Women and vanilla prompts, it seems incapable of generating Futa, or strapons and it's HD capabilities is not the most advanced.

Option 2: Yodayo

Description:

YoDayo stands as a beacon for vTubers and anime aficionados, offering a cutting-edge, text-to-image AI generator tailored for anime styles. This free online platform empowers users to craft impeccable artwork, ensuring a medley of stylistic choices to suit diverse preferences.

The platform isn't just about creation—it's also about exploration. The dedicated "Explore" section showcases a trove of content from fellow vTubers and anime enthusiasts. It's a gallery of inspiration, a testament to the community's creativity.

Community is at the heart of YoDayo, which is evident from their interactive Discord channel. Here, users can seamlessly engage with like-minded individuals, sharing feedback, discussing nuances, or simply asking questions to enhance their creative journey.

Strengths:

1.Premium Digital Artwork: The platform delivers top-tier digital art, ensuring users receive the best visual experience.

2 .Community Discovery Portal: Users can explore and dive into a collective page, showcasing diverse creations from the community.

3. Engagement via Discord: Integration with Discord provides an interactive avenue for users to communicate and collaborate.

4. Diverse Artistic Flair: The tool offers a wide spectrum of styles, catering to varying aesthetic preferences.

5. Feedback Mechanism: Incorporating a user feedback system allows for continuous improvement based on genuine user experiences.

Weakness:

1. Platform Limitation: Exclusively available on iOS, restricting its reach to only Apple device users.

2. Not For Novices: The interface and functionalities might be overwhelming for beginners, demanding a certain level of familiarity.

3. No Offline Mode: The tool doesn't offer offline functionality, necessitating an active internet connection for usage.

4. Language Restrictions: The absence of multilingual support can hinder the user experience for non-English speakers.

5. Basic Editing Capabilities: The platform misses out on offering intricate editing features for more advanced users.

6. Community-Driven: Its success and functionality largely hinge on active community participation and engagement.

AI Image Upscalers

I've only used one AI image upscaler and it is **PixelUp**.

While I've dabbled with various upscaling applications in the past, Pixelup stands out for its intuitive interface and the sheer quality of its output. In the realm of image enhancement, where minute details can make a massive difference, Pixelup has demonstrated time and again its capability to enhance images without sacrificing their authenticity.

But rather than simply singing its praises, I believe in the adage, "seeing is believing." That's why I'm about to present to you a compelling example that showcases the prowess of Pixelup. This will offer you a firsthand glimpse into why, in my experience, Pixelup is the zenith of image upscaling tools currently available on iOS.

Here is an image directly from Yodayo:

Here is that same image put through PixelUp:

AI Image Editors

Does your AI-generated image seem a tad underwhelming? Perhaps it captures the essence but lacks the vibrancy and nuance that truly makes an image pop. Fret not; for every digital artist, there's a moment when the canvas calls for a touch more refinement.

Enter **Adobe Lightroom**

In the universe of image editing, Lightroom is akin to a maestro orchestrating a symphony. A product from the renowned Adobe suite, Lightroom stands out as an elite tool for photographers and designers alike. It's not merely an editing software; it's an experience. With a comprehensive set of tools designed for color correction, exposure adjustments, and intricate detailing, Lightroom transforms your images from mundane to mesmerizing.

But what truly sets Adobe Lightroom apart is its intuitive interface paired with powerful functionalities. Whether you're a beginner taking your first steps into the world of photo editing or a seasoned professional, Lightroom accommodates every skill level. Its cloud-based system ensures that your edits and catalogs are available across devices, ensuring seamless workflows.

In essence, if your AI image is the raw diamond extracted from the depths, consider Adobe Lightroom the master craftsman that chisels and polishes it into a sparkling gem. Dive in, explore its vast capabilities, and watch your visuals come alive with unprecedented brilliance.

Here is a real life photo I took of a person cosplaying as Kurapika:

A decent pic, but let's see what happens if I mess with the saturation and change the tint using Adobe lightroom.

Boom! The colors are more pronounced and less muted and now the cosplayer pops out in this image.

What does this have to do with AI art? Everything. Lets take a look at an image that I generated directly from Yodayo.
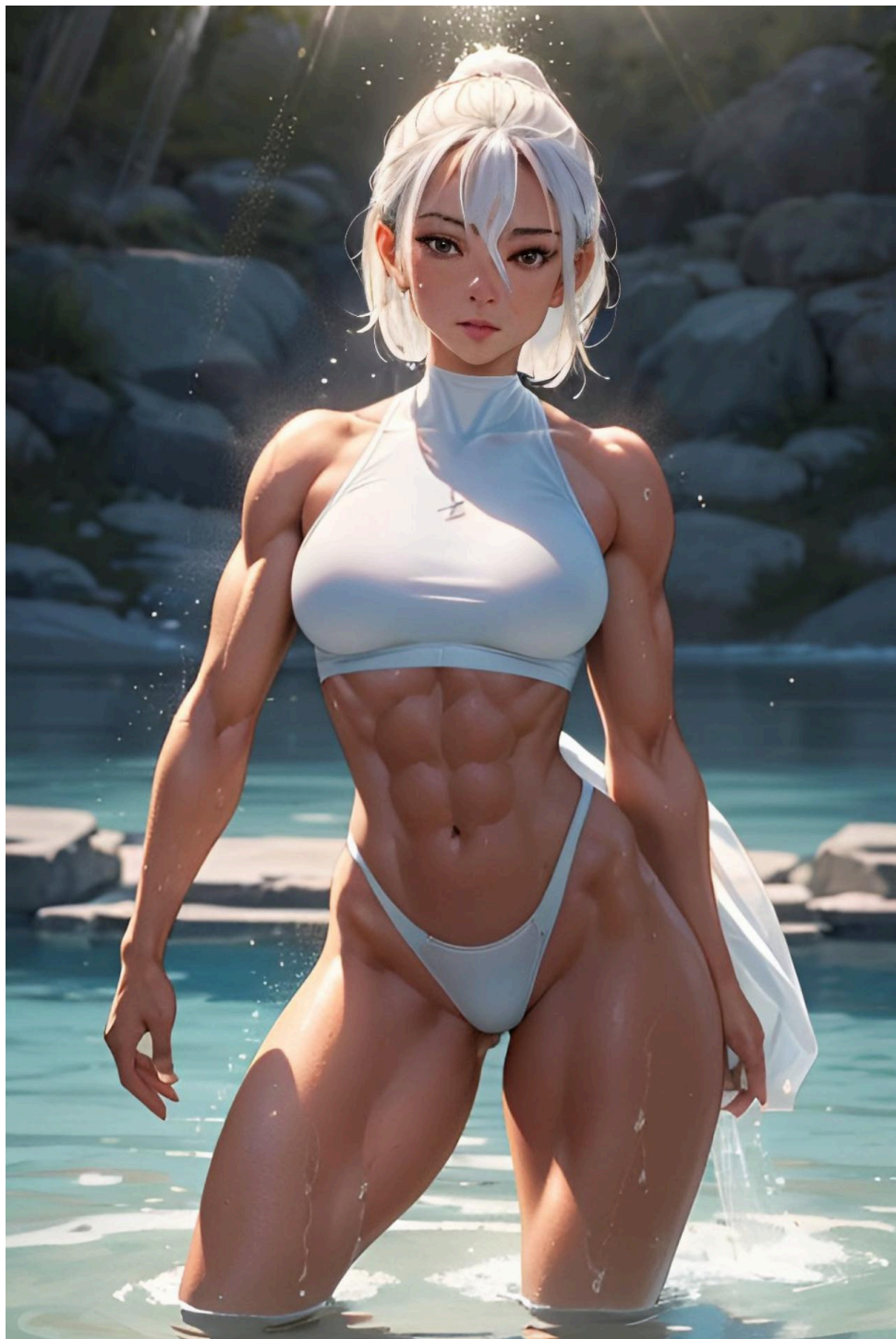
I think this is a beautiful pic but I feel that the girl could stand out a bit more. However, let's see what happens when we use Adobe Lightroom.
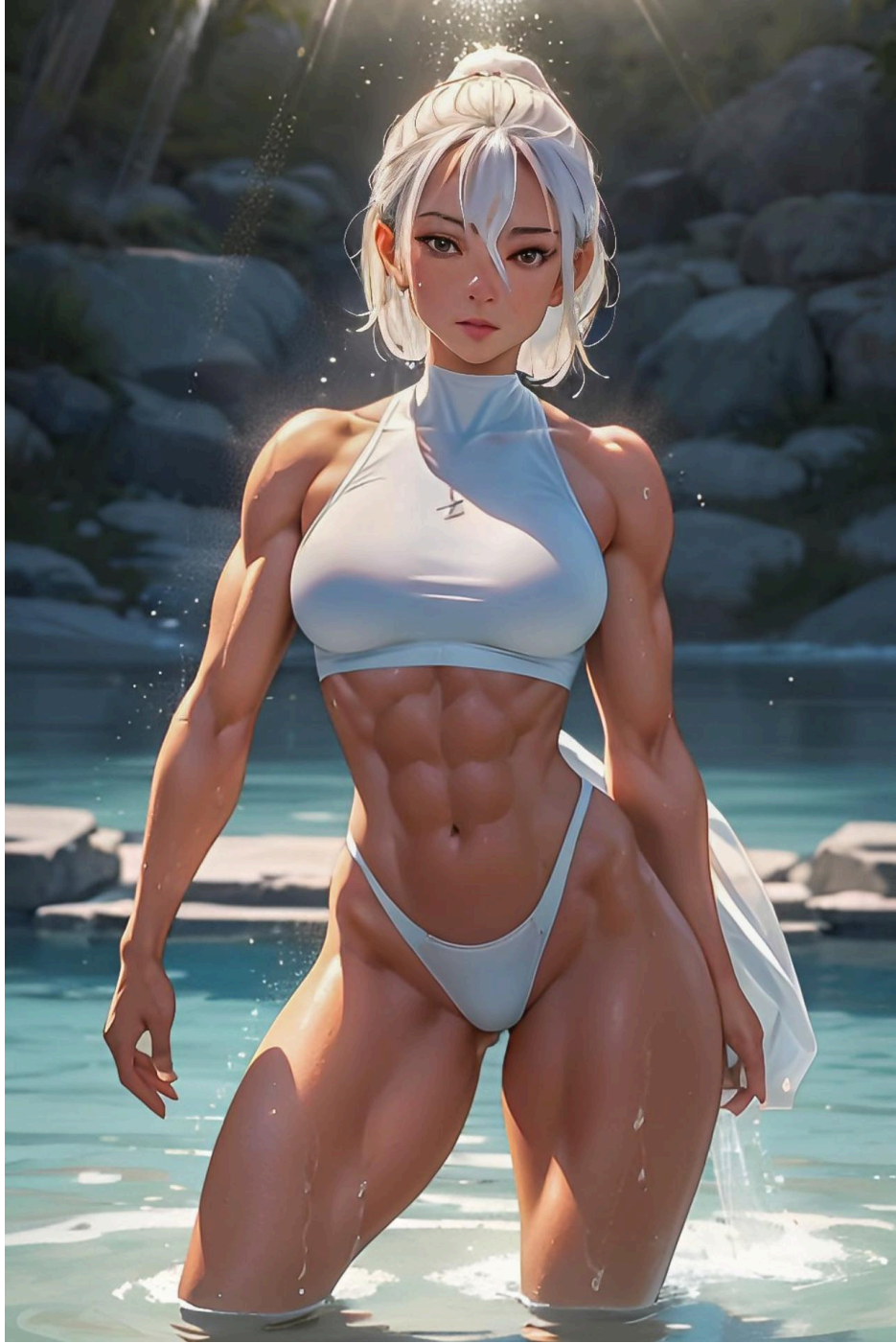
Boom! Now she stands out more, it's subtle but now she seems more angelic. Wait what? It's too subtle, okay let's try a more extreme example.

Here is an image I generated from Yodayo. I like the pic, however I feel that the subjects of the image are too muted and we should fix that without washing out the image or oversaturating the background.

Now we'll put this adobe lightroom and make the subjects stand out.

BOOM! Their skin now bursts with vibrancy as opposed to being muted by shadows. Making the girls having sex more in focus and in the forefront of the image as opposed to being overshadowed by the background.

Step-by-Step Guided Tutorials

Transitioning from the visual polish, let's delve into a crucial aspect that often goes unnoticed: the art of prompt building. Crafting the right prompt is akin to whispering secrets to the AI, guiding it towards weaving the tapestry of your envisioned image. It's the backbone of successful AI image generation.

Now, while I could elaborate on the intricate nuances of prompt crafting, I believe that visual learning often speaks louder than words. Therefore, I've enlisted the help of the brilliant Yodayou user called Magic Studios, a user renowned for their mastery in this domain. Through a curated set of images and examples, Magic Studios will showcase the alchemy of prompt creation, providing insights and guidance on how to shape and mold the AI's output to match your wildest imaginations.

Note: This advice works on all uncensored Ai generators I've used so far.

1. Prompts

The order of the prompt is crucial. AI tends to generate output based on what we write at the very beginning, but the further we go from the initial prompt, the more likely AI is to ignore it while generating the output.

>

>

Prompts:

Kneeling on picnic blanket, tea set, lay hands on knees, smile, maid uniform,

sky, clouds, 1 woman, outdoor, tree, (grass: 0.9),

noelle_\(genshin_impact\), 1girl, silver hair, rose, hair_flower,
<lora:genshinImpactNoelle_nV1:0.4>

Prompts:

sky, clouds, tree, rose,

(grass:0.9), noelle_\(genshin_impact\), 1girl, silver hair, <lora:genshinImpactNoelle_nV1:0.4>, lay hands on knees, maid uniform, outdoor, tea set, hair_flower,

1 woman, kneeling on picnic blanket, smile,

2. Settings

You won't always get an image exactly as you described it, because you have to leave some room for the AI to be creative.

Settings ⌄

Sampling Methods | Steps (1 - 150) ⑦ | Scale (1 - 30) ⑦

Euler ⌄ | 30 | 10

Seed ⑦ | Canvas Size ⑦

-1 | 🎲 ♻ | Large Landscape (1024 X 512) ⌄

Sampling Methods:
The term 'sampling methods' refers to the mode of image generation.

\>

Steps:
The term 'Steps' refers to the level of detail in generating an image. The higher the value, the longer it takes to generate the image. It's not worth going above 50 because the image doesn't change much beyond that point, and the generation time is significantly prolonged.

Scale:
The amount of creative freedom you give to the AI depends on the 'Scale' option.
The higher the value, the more closely AI adheres to our description.

\>

Seed:
Seed value determines how image generation starts. The same seed will generate the same image.
♻ — use the same seed number to get the same character.
🎲 — use a random seed for different character.
If no image is selected, ♻ button will use the seed of the latest image.

Canvas size:
The size of the generated image. If you want an image larger than 1024, then you need to use the 'Enhance' option.

2.1 Settings
Beware !!!

The canvas size strongly affects the final image. For example, if you plan to create only one standing character, it's best to use the "Normal portrait" or "Large portrait" option. But if you want to zoom out the view and use "Normal Landscape" or "Large Landscape", don't forget to include a description of the background or the place where the character is supposed to be located.

>

>
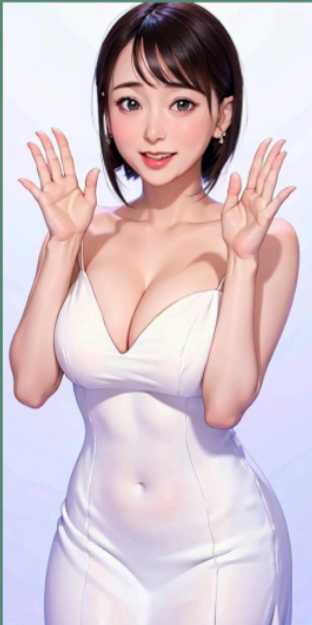
The same prompts and seeds, but the image on the left is in "Large portrait" mode, and the image on the right is "Large landscape".

3. Models

Every model is different and reacts slightly differently to the same prompts. For example, realistic models tend to generate predominantly black hair. Don't hesitate to try different models.

>

>
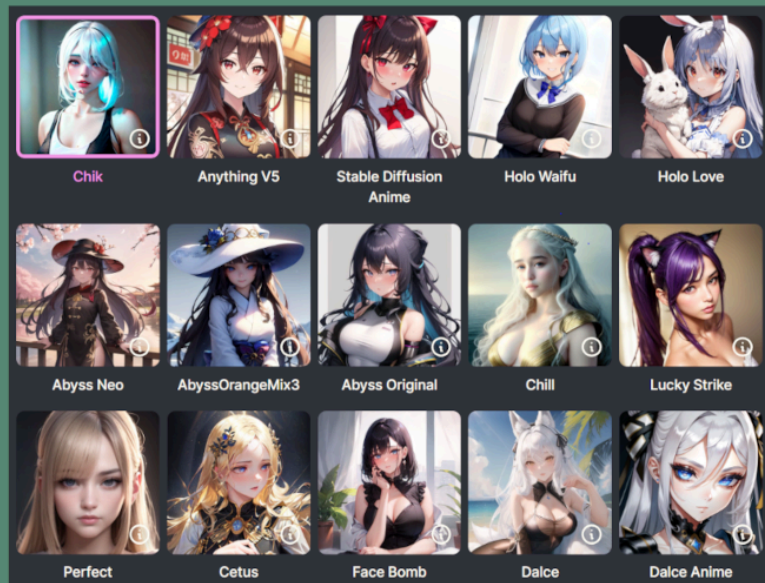
4. Weights

Each prompt has its own weight, which determines how strongly the prompt should be considered when generating the image. The default weight is 1.0, but it can be adjusted by placing the prompt in parentheses ().

>

a (word) - increase attention to word by a factor of 1.1
a ((word)) - increase attention to word by a factor of 1.21 (= 1.1 * 1.1)
a [word] - decrease attention to word by a factor of 1.1
a (word:1.5) - increase attention to word by a factor of 1.5
a (word:0.25) - decrease attention to word by a factor of 4 (= 1 / 0.25)
a (word) - use literal () characters in prompt
With (), a weight can be specified like this: (text:1.4). If the weight is not specified, it is assumed to be 1.1. Specifying weight only works with () not with [].

>

Huge demon, sky, clouds,

gate to hell, fire around gate, gate burning,

skeleton on gate,

(Huge demon:1.3), sky, clouds,

gate to hell, fire around gate, gate burning,

skeleton on gate,

5. Enhance

Enhance ✨

Enhance ✕

resize: from 512×1024 to 512×1024

Max resolution: 2048×3072 or 3072×2048

Upscale By (1 - 4) ⑦

Resize Width (1 - 3072) ⑦

Resize Height (1 - 3072) ⑦

Hires Steps (1 - 50) ⑦

10

Denoising Strength (0 - 1) ⑦

0,55

Upscaler

R-ESRGAN 4x+ Anime6B ⌄

Enhance 🎛8

On today's date, May 8th, 2023, the 'Enhance' option only offers increasing the resolution to a maximum of 3072x2048 or 2048x3072. The 'Denoising Strength' corresponds to introducing slight changes to our image. If we only want to change the resolution, we need to set the value to 0.01.

Definitely, the number of options will increase in the future.

!!!!!!BEWARE!!!!!!!!

To ensure proper functionality, we need to first select the high priority generation option, otherwise it won't work.

High Priority ⬤

Generate 🎛5 ⚙

6. BREAK

To have more control over what the AI generates, you can use the word BREAK. This completely separates the given group of prompts from each other, giving us greater control over what we generate.

The word BREAK must be in capital letters, otherwise separating groups of prompts will not work.

Correct Break successfully separated the gray moon, blue planet, and astronaut. It is important to pay attention to the colors of the moon and planet, which were also described correctly.

However, without using this method or with incorrect input, the colors of the planet and moon mix together, which was not intended in the current prompts.

Correct BREAK,   Incorrectly break,   Without BREAK

sky, clouds,	sky, clouds,	sky, clouds,
BREAK,	break,	
Blue planet on the right side,	Blue planet on the right side,	Blue planet on the right side,
BREAK,	break,	
grey moon on the left side,	grey moon on the left side,	grey moon on the left side,
BREAK,	break,	
astronaut on the middle,	astronaut on the middle,	astronaut on the middle,
astronaut suit,	astronaut suit,	astronaut suit,

Complex tutorial

1. Prompts

An AI generator displays what we describe, focusing on the order in which we describe things. To increase the chances of generating an image as desired, it is better to describe more elements.

Head:
Hair (ponytail, twintail, bangs),
Ear (cat, elf, demonic),
Horn (demon, animal),
Jewellery (pendant, necklace),
Eyes (crazy, calm, enigmatic),
Emotions (crying, smile, smirk)

Body:
Waist (slim, wide),
Arms (epaulet, robotic),
Gloves (Fingerless),
Clothes (yukata, suit, fishnets, leotard, armour, wet)

Legs:
Boots (high, heels),
Stockings (black, fishnets),
Belt (leather, bag, with knife),
Tail (dragon, lizard, cat)

Vibe:
Lightning (studio lightning, sun rays, neon),
Emotions (romantic, depressing, post-apocalyptic),
Quality (highly detailed, 4k, 8k, professional photograph, vivid colors)

Background:
Sauna, School Classrom, Park, Kitchen, Garden, Car, Street, Office, Forest, Beach

Breasts:
Size (flat, small, medium, large, huge, massive),
Form (squeeze together, press, flexible, round, sagging),

Hands:
Holding (sword, cigaret),
lay (on desk, on legs),
Arms (behind head, behind back, wide spread, up)

Position:
Specific (sexy position, crazy position , lewd position),
lying (forward, on stomach, on back, on bed, on side),
Pose (standing, sitting, squatting, kneeling, standing on one leg, all fours, fetal, crossed legs, hugging own legs, locus, seiza, bent over)

1.1 Example Position

Sitting

Standing

Squatting

Standing on one leg

All fours

Crossed legs

Hugging own legs

Fetal

Kneeling
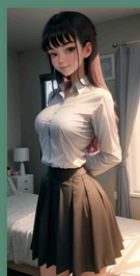
Arms behind back

Arms behind head

Arms up

Spread Arms

Arched back
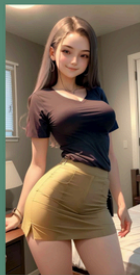
Contrapposto

Lying on stomach
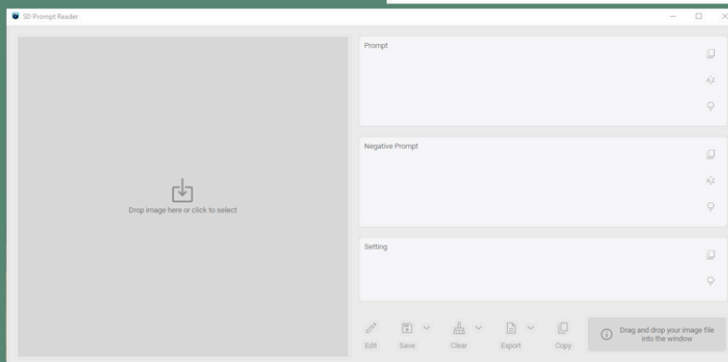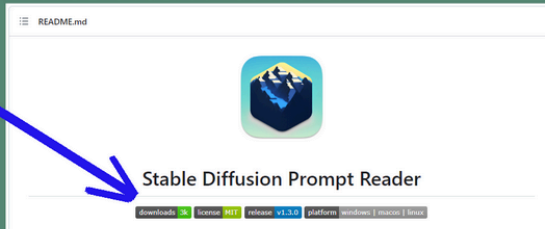
Lying on back

Lying forward

1.2 Hair styles
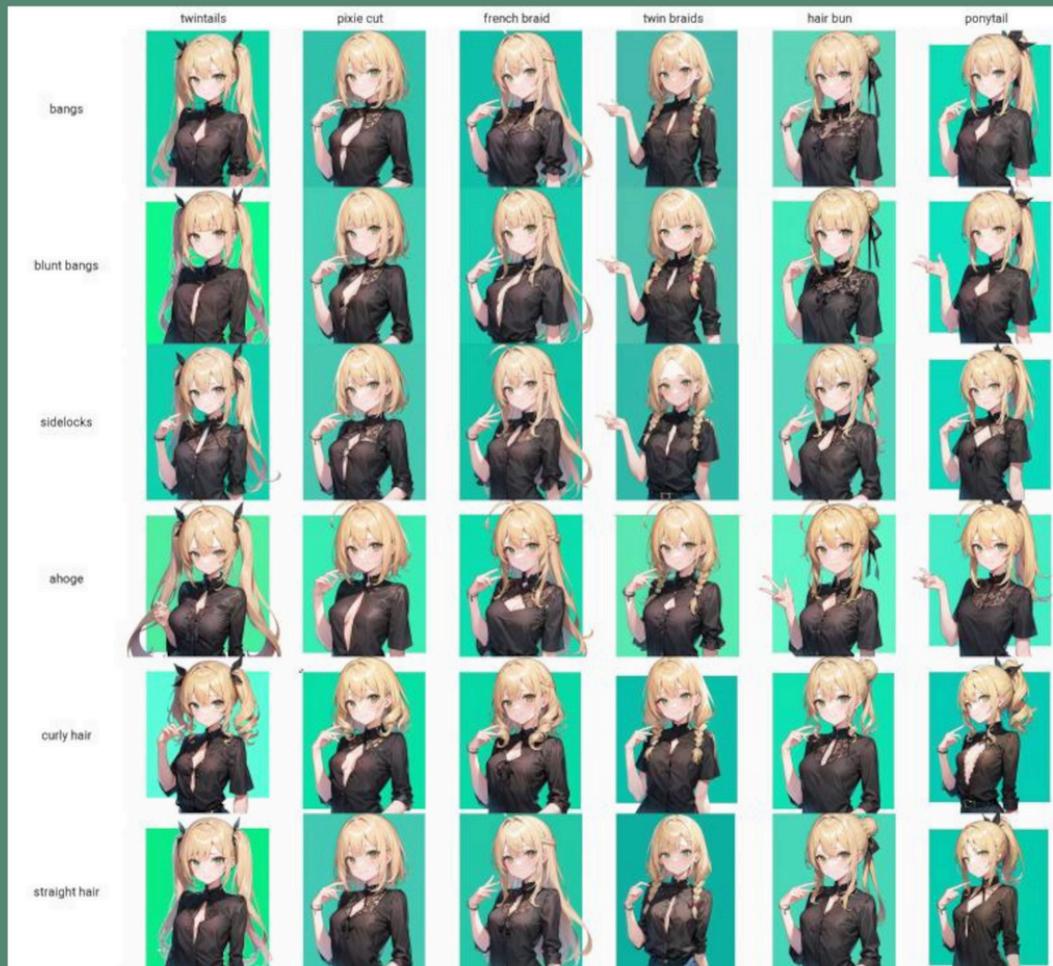
2. Prompt Sharing

You can't expect that everyone share prompts, but you still can take prompts of most images (not all) even if they don't want to share it. So how i can do that? Its simple: you need Prompt reader.

1. Go to website (link in description): https://github.com/receyuki/stable-diffusion-prompt-reader/tree/29b69e8654b352c02010045a8c455286d6b6f4ea
2. Click download here:
3. Instal and open it.
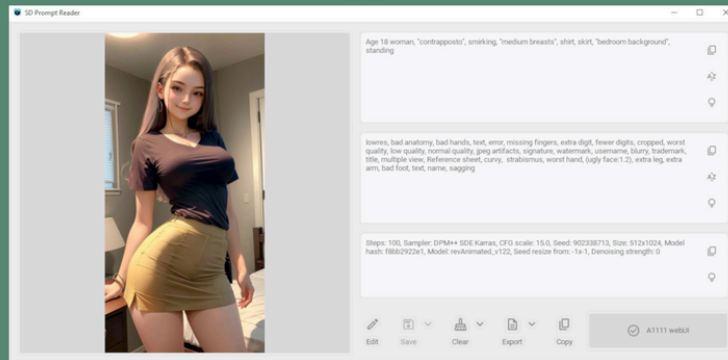
3. No idea for prompts?

'If you don't have an idea for an image, you can always use AI to come up with something for you. How to do it?
It's simple, just add AIPRM to ChatGPT and instruct it to come up with something.
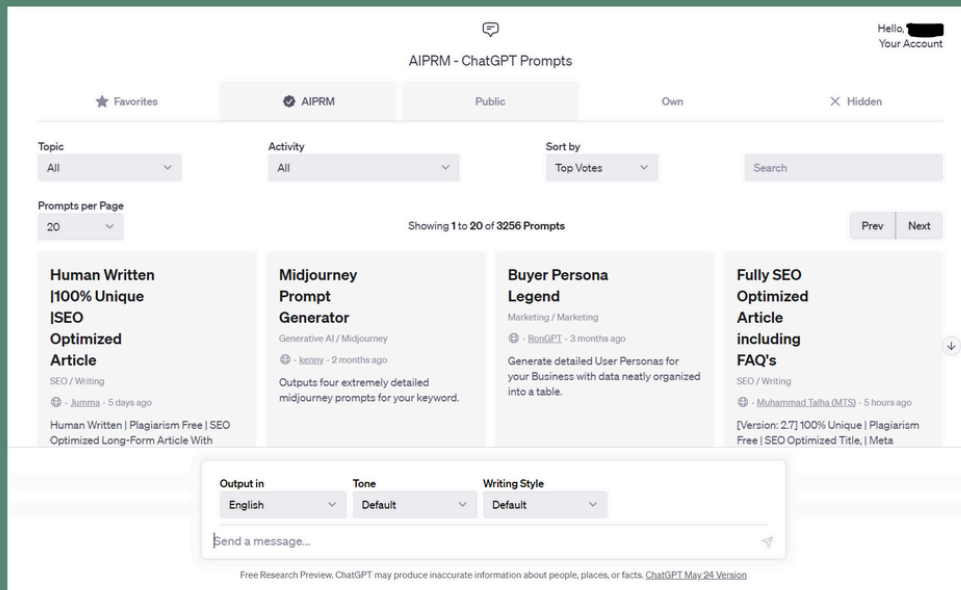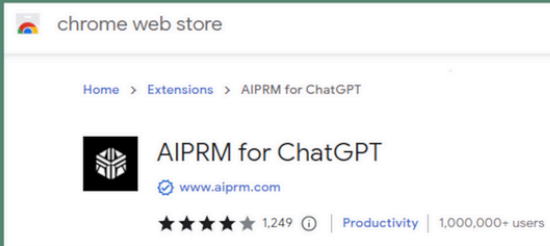
3.1 Good prompt generators

Worth mentioning.
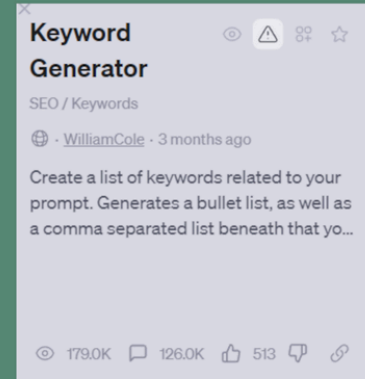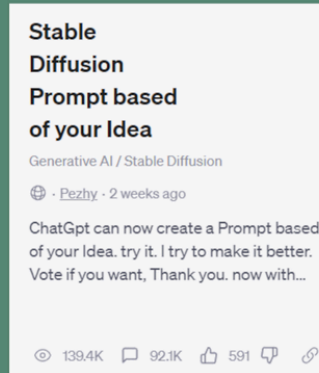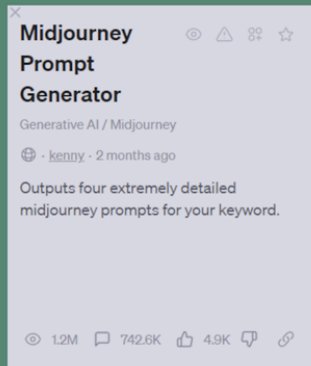
Yodayo generator is based on Stable Diffusion, but there is no problem for using other prompt generator. If you want making NSFW prompt, all of this generator can have problem with it, and not answer to your question, but if you force it, you can get what you want.

4. Lowercase "and", Uppercase "AND"

Written in lowercase, "and" and written in uppercase, "AND," have two different meanings. "and" written between two subjects separates and adds both subjects, for example, a cat and a dog. "AND" written between two subjects combines them into one object that possesses the properties of both subjects.

Dog:2.0 AND cat:0.5

Dog:0.5 AND cat:2.00

Dog:1.0 AND cat:2.0

Dog:2.0 AND cat:1.0

You can achieve this effect by introducing two different entities of the same kind: objects, animals, people.
You can also modify the strength of interaction of a specific component in the combined object by adding a weight right after the respective word, standard is 1.0, but you can change it like in those images.

5. Modifiers

Modifiers are words that can change the style, format, or perspective of the image. There are certain magic words or phrases that are proven to boost the quality of the image.

In this section, we will talk different types of modifiers you can use in your prompt.
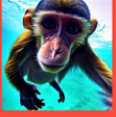If you want to visualize how a modifier affects an image, beyond are our given examples.
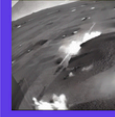
Photography Styles

Polaroid
still photo of a child sitting in the middle of a wide empty city street, his back to the camera, symmetrical, **polaroid** photography, highly detailed, crisp quality

Tilt-Shift
photo of construction site, workers, **tilt shift effect**, bokeh, Nikon

Product Shot
Product shot of nike shoes, with soft vibrant colors, 3d blender render, modular constructivism, blue background, physically based rendering, centered

Long Exposure
An aerial view of a city at night, **long exposure**, instagram contest

Photography Styles

Portrait
Portrait photo of a storm trooper with his beautiful wife on his wedding day

Color-Splash
Color splash wide photo of red phone booth in the middle of empty street, detailed, mist, soft vignette

Monochrome
Photo of staircase in abandoned building, symmetrical, **monochrome** photography, highly detailed, crisp quality and light reflections, 100mm lens

Satellite
Google earth satellite image, of New York City, detailed buildings and streets

Cameras

Gopro
Monkey swimming, **Gopro** footage

CCTV
Darth Vader at a convenience store, pushing shopping cart, **CCTV** still, high-angle security camera feed

Drone
Drone photo of Tokyo, city center

Thermal
Thermal camera footage from a helicopter, war scene

Lenses

Telephoto
Alligator emerging from water, **telephoto** lens

Fish-eye
Night club, people dancing, **Fish-eye** lens

800mm
Photo of hummingbird, **800mm** lens

Macro
Photo of a ladybug-bee hybrid standing on a tulip, **macro lens**

Lighting

Nostalgic
Fallout concept art school interior render grim, **nostalgic lighting,** unreal engine 5

Purple Neon
Fallout concept art school interior render grim, realistic **purple neon lighting** unreal engine 5

Sun Rays
Fallout concept art school interior render grim, **sun rays** coming through window, unreal engine 5

Art Mediums

Chalk
A sidewalk **chalk painting** of walter white

Graffiti
wall **graffiti** art of astronaut holding a super soaker

Water Colors
water color painting of sunset behind mountains, detailed, vaporwave aesthetic

Oil Painting
Oil painting of human Rick Sanchez, contest winner

5.1 Modifiers

Art Mediums

Fabric

Crochet doll of Spiderman, studio lighting

Pencil Drawing

Pencil painting of Emma Watson

Wood

Modern spiral shaped table design, made of **wood**, studio lighting

Clay

Clay model of the throne from Game of Thrones

Landscape Artists

When making a landscape it's smart to give a set of day like morning, noon or night time and to set the season. Notice that some artists only influence the output subtly while others change it drastically

Alejandro Bursido

Landscape by Alejandro Burdisio

Jacques-Laurent Agasse

Landscape by Jacques-Laurent Agasse

Andreas Achenbach

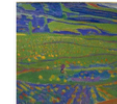Landscape by Andreas Achenbach

Cuno Amiet

Landscape by Cuno Amiet

Anime Artists

It's important when using anime artists to keep in mind the style they focus on and what time period they are from

Makoto Shinkai

Art by Makoto Shinkai

Katsuhiro Otomo

Art by Katsuhiro Otomo

Masashi Kishimoto

Art by Masashi Kishimoto

Kentaro Miura

Art by Kentaro Miura

Sci-fi Artists

Choosing the right artist can drastically change the output. Science fiction artists tend to have very distinctive styles. Remember that you can not only use traditional art mediums but also artists from films.

Chesley Bonestell

A sci-fi scene by Chesley Bonestell
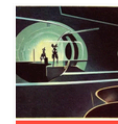
Karel Thole

A sci-fi scene by Karel Thole

Jim Burns

A sci-fi scene by Jim Burns

Enki Bilal

A sci-fi scene by Enki Bilal

Concept Artists (Video Games)

When it comes to concept artists some of them will make scenes better while others will make better character designs

Emerson Tung

Concept sheet by Emerson Tung

Shaddy Safadi

Concept art by Shaddy Safadi
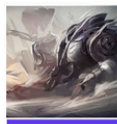
Shaddy Safadi

Concept art by Shaddy Safadi

Kentaro Miura

Concept art by Kentaro Miura

Advanced technique - Mixing Artist Styles

Building a prompt with artists can refine your image to something more. It's important for you to use multiple artists in the right category so to have your own style but keep in mind it can be multiple categories
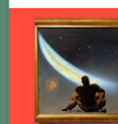
Frank Frazetta

Oil painting of a man staring at the stars, by Frank Frazetta

+
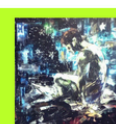
Yoji shinkawa

Oil painting of a man staring at the stars, by Yoji shinkawa

=

Frank Frazetta & Yoji shinkawa

Oil painting of a man staring at the stars, by Frank Frazetta, by Yoji shinkawa

5.2 Modifiers

Mixing Artist Styles (Portrait)

Building a prompt with artists can refine your image to something more

Jean-Baptist Carpeaux

Portrait by Jean-Baptiste Carpeaux

+

Derek Gores

Portrait by Derek Gores

=

Jean-Baptiste & Derek Gores

Portrait by Jean-Baptiste Carpeaux and Derek Gores

Mixing Artist Styles (Landscape)

Notice the subtle ways that the artist styles combine. You are not limited to two artists. Use as many as you want.

Alejandro Bursido

Landscape by Alejandro Bursido

+

Cuno Amiet

Landscape by Cuno Amiet

=

Alejandro Bursido & Cuno Amiet

Landscape by Alejandro Bursido and Cuno Amiet

3D illustrations

Stable diffusion can be used to create any 3D scene or object you can imagine!

Cute panda, **origami** art

Needle felted scene from the Simpsons, highly detailed, tilt shift, highly textured, action

3D illustrations

Isometric assets

Tiny cute **isometric** kitchen in a cutaway box, soft smooth lighting, soft colors, 100mm lens, 3d blender render
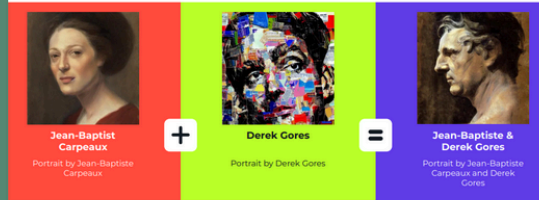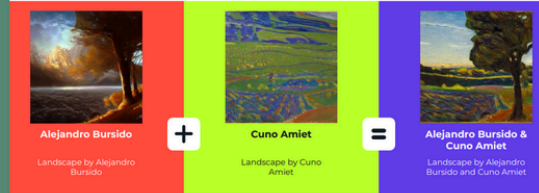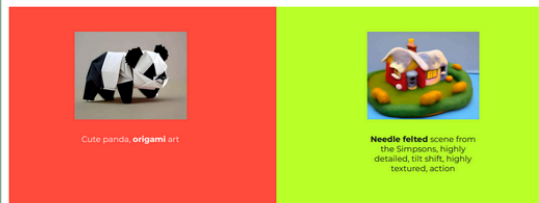
Low Poly

kawaii **low poly** squirrel character, 3d isometric render, white background, ambient occlusion, unity engine

Pixar Renders

3d fluffy Lion, closeup cute and adorable, cute big circular reflective eyes, long fuzzy fur, **Pixar render**, unreal engine cinematic smooth, intricate detail, cinematic

3D Item Render

Tiny isometric Alarm Clock, soft smooth lighting, soft colors, **3d blender render**, trending on polycount, modular constructivism, physically based rendering

More illustrations

Children's book

Elephant-turtle hybrid, in **Children's book** illustration style

Vector

Vector illustration of Living Room in Flat Style, pastel color palette

Scientific Illustration

Anatomy of Pikachu, dissection **Scientific illustration** from a biology book

Comic

Retro **comic style artwork**, highly detailed benedict cumberbatch, comic book cover, symmetrical, vibrant

More illustrations

Caricature

Caricature art of spiderman sitting on a chair drinking beer, on Charlie Hebdo

Propaganda Poster

USSR **propaganda** poster. Eat Oreo!

Movie Poster

Adventurous trash can, **movie poster**

Psychedelic Art

Hypnotic illustration of a dear face, hypnotic **psychedelic** art by Dan Mumford, pop surrealism, dark glow neon paint, mystical,

5.3 Modifiers

More illustrations

Splash Art

Splash art of an armored mage channeling arcane magicks, mana shooting from his hands, mystical energy in the air, action shot, heroic fantasy art, special effects, hd octane render
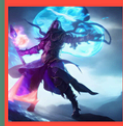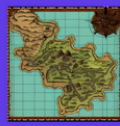
Ukiyo-e

Peppa pig, in **Ukiyo-e** style

Stickers

Die-cut **sticker,** Cute kawaii Goldendoodle character sticker, white background, illustration minimalism, vector, pastel colors

Fantasy Maps

DnD **map** with roads, for printing, highly detailed, with many towns

45

Character design

When it comes to creating a character you want to first describe the broad description of them like "male orc" then adding more to them like "metallic armor". After that building the details while generating the images and make sure to add artists fitting the person

Prompt

Digital art of a **orc**, by Larry Elmore, by Justin Gerard

Prompt

Digital art of a **orc with metal armor,** by Larry Elmore, by Justin Gerard

Prompt

Digital art of a **orc with metal armor,** by Larry Elmore, by Justin **Gerard, concept sheet**

Prompt

Digital art of a **orc with metal armor,** by Larry Elmore, by Justin **Gerard, concept sheet**

The last image is made from using img2img on a higher scale to get better detail on the image. The strength was 30 but you can adjust it to what you want when making your own image

Positive emotions

Cosy

Cosy vintage bedroom, octane render by weta digital, exotic colorful pastel, ray traced lighting and reflections

Romantic

Photo of a couple shopping, **romantic** lighting

Joyful

Joyful photo of a husky puppy splashing water at the beach, canon eos r3

Energetic

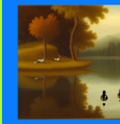**Energetic** painting of a pool with flamingos

Negative emotions

Depressing

Depressing photo, futuristic park
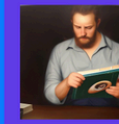
Loneliness

Girl sitting in window, reading a book, **loneliness**
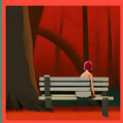
Grim

Grim painting of a lake with ducks

Regret

Painting of a man looking at photo album, filled with **regret**

More negative emotions

Suffering

Digital painting showing the **suffering** of a woman, sitting on a bench in the forest, by goro fujita

Hopelessness

Man, **hopelessness,** black and white, looking into the camera, sketch, intricate details

Fear

Child running towards the camera, in **fear**, by atey ghailan and mike mignola

Disgust

Photo of a child looking at his food with **disgust,** Hasselblad photography

Gloomy

Liminal Space

Flooded, **liminal space,** underground city carpark, lighting with lensflares, photorealistic 8 k, eerie

After Hours

After hours, stairs to the park

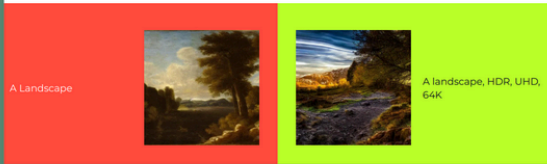**Brutalism**

Building, **brutalism** architecture

Post-Apocalyptic

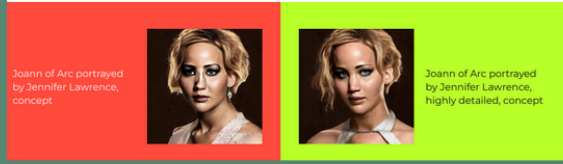Photo in a **Post-Apocalyptic** town, with houses and cars

5.4 Modifiers

HDR, UHD, 64K

Quality words like HDR, UHD, 4K, 8k, and 64K can make a dramatic difference.

Seed: 1000

A Landscape

A landscape, HDR, UHD, 64K

Highly detailed

Quality words like highly detailed can make a dramatic difference.

Seed: 2437020575

Joann of Arc portrayed by Jennifer Lawrence, concept

Joann of Arc portrayed by Jennifer Lawrence, highly detailed, concept

Studio lighting

Studio lighting could really add some nice texture to the image

Seed: 4035355907

A cinematic film still of Morgan Freeman starring as 50 Cent, portrait, 40mm lens, shallow depth of field, close up

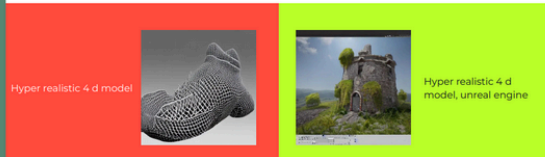A cinematic film still of Morgan Freeman starring as 50 Cent, portrait, 40mm lens, shallow depth of field, close up, studio lighting

Professional

Adding professional, can greatly improve the color contrast and details in the image

Seed: 851639

Empty temple, photograph

Empty temple, **professional** photograph

Unreal engine

Seed: 868591112

Hyper realistic 4 d model

Hyper realistic 4 d model, unreal engine

Vivid Colors

Adding **Vivid Colors**, adds life to your images

Seed: 1

Photo from a city street in the 1970s

Photo from a city street in the 1970s, vivid colors

Bokeh

Bokeh blurs the background and highlights the subject. It's like iPhone portrait mode.

Seed: 432543543

A cute totoro in a yard

A cute totoro in a yard, bokeh

Sketch vs Painting

Almost always, **sketch** creates pencil images, while **painting** adds colors and will probably give an older looking scene

Seed: 851636

Sketch of a car parked in front of a shop

Painting of a car parked in front of a shop
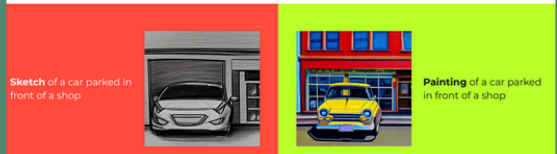
Tips and tricks

Tips & Tricks#1: Perfecting Your AI-Generated Image

Let's face it—while AI-generated images can be astonishing, they aren't always pitch-perfect. Sometimes, the output might miss a few nuances or the essence you were aiming for. But fret not! With a little creativity and know-how, you can achieve the desired masterpiece.

Blending Multiple Images for the Perfect Result

Often, generating multiple AI images can yield diverse results. Each might have elements you adore and some you'd rather change. Here's where our trusty companion, **Photoshop**, steps in.

Step-by-Step Guide to Image Compilation:

1.   Generate Multiple AI Images: Begin by generating several variations of the image. Aim for variety. The more options you have, the better.
2.   Open All Images in Photoshop: Launch Photoshop and open all the AI-generated images you've created.
3.   Create a Base Layer: Decide on one image as your base. This will be the primary image onto which you'll overlay elements from the other images.
4.   Layer and Mask: Drag another image as a layer over your base. Then, using the "Layer Mask" feature, you can seamlessly blend the best parts of this layer with the base.
5.   Brush Tool Precision: With a soft brush, paint over the layer mask to reveal or hide specific portions of the top layer. This lets you combine, for example, the perfect eyes from one image with the impeccable smile from another.
6.   Repeat and Refine: Continue this process with other images, layering, masking, and blending until you're satisfied with the composite.
7.   Final Touches: Once compiled, consider using adjustment layers for color correction, brightness, contrast, or any other final touch-ups.
8.   Export and Admire: Save your final image and take a moment to admire the collaborative masterpiece of both AI and human creativity.

For a visual representation think of this:
(Credit to reddit user Brand New Logic for this image.)

COLLAGING

Generate multiple variations of an image
Identify the best features in each.
(hands, eyes, mouth, face, legs, feet)
Use select tool to draw around those features,
copy them and paste them onto one image.

I took the mostly good hands from this one

I took the mouth from this one

I used this one as the base for body and everything else

This is the final product

for more AI art tips visit:
BrandNewLogic.com/AI-Art-Tips

When AI Doesn't Quite Nail It: A Photoleap Adventure

I've always been a fan of Revy—her fiery spirit, her undeniable allure, she's just, well, captivating. As I embarked on a new writing project, a novel set against the vast backdrop of the cosmos, a thought hit me: What if Revy, with her innate sass and charm, was reimagined as a space warrior? The image in my mind was clear - Revy, but with striking white hair to contrast the abyss of space and clad in sleek, formidable space armor.

Eager to bring this vision to life, I turned to Photoleap's AI image generation. In my excitement, I keyed in my requirements and awaited the magic. But alas, the result was…underwhelming. Instead of the fierce space warrior I'd envisioned, the output seemed disjointed, lacking the cohesion and the essence of Revy that I so dearly wanted.

AI, for all its wonders, sometimes doesn't quite capture the intricacies of our imagination. But that's okay—it's all part of the journey. While Photoleap may have missed the mark this time, it has sparked even more determination to perfect my vision, proving that even in missteps, there's inspiration to be found.

Let's take a look at what Photoleap generated:
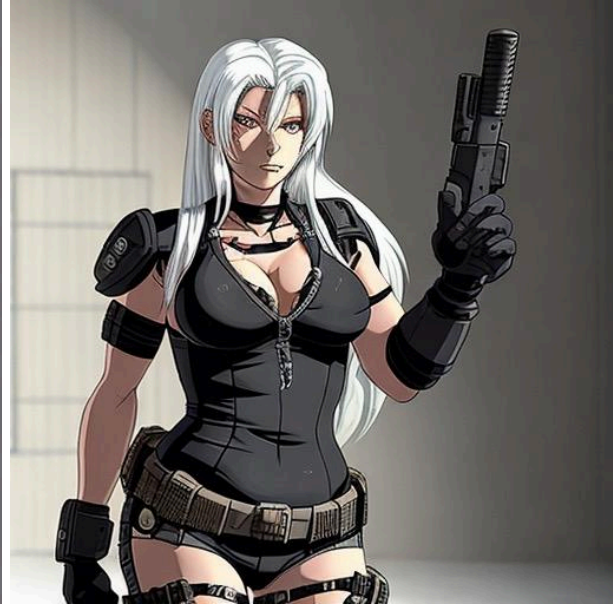
sighs

Sometimes, when technology falls short, it's the human touch that saves the day. The vision of space-warrior Revy was too vivid in my mind to let go, so I decided to take matters into my own hands.

I scoured the web and managed to find a high-resolution image of Revy that perfectly captured her essence. Armed with this and my trusty Photoshop software, I dived into a digital art odyssey.

Starting with the hair, I used the "Selective Color" tool to target the blacks and browns of Revy's hair, transforming them into the icy shade of white I had envisioned. The process was intricate, adjusting the contrast and brightness to ensure the white hair still held depth and texture.

Next, the armor. I pulled various images of space armor, selecting components that I felt matched the aesthetic I was aiming for. Using the "Pen" tool, I meticulously cut out these pieces and layered them onto Revy's figure. Blending modes became my best friend here, particularly 'Overlay' and 'Soft Light', which helped merge the armor with the lighting of the original image.

The process was intense, filled with constant tweaks—adjusting the lighting with 'Dodge' and 'Burn' tools, refining edges to ensure the armor looked natural on her form, and adding shadows for that touch of realism.

Hours flew by, but by the end of it, as I zoomed out and looked at the final product, the satisfaction was immense. There she was—Revy, reimagined as the space warrior, every bit as fierce and captivating as I had hoped. It was a testament to the fact that while AI tools are

fantastic aids, sometimes the vision in our heads requires the personal touch, the dedication, and the passion that only human creativity can offer.

These are the pics of Revy that I chose:

Now here is the final product:

The final result was nothing short of breathtaking. Every detail, every shade, and every element came together in a symphony of artistry that left me in awe. The image didn't just capture the essence of Revy—it felt alive, as if she had leaped out of my imagination and into the digital canvas. It was the perfect amalgamation of my vision and the raw power of hands-on digital artistry.

Such was the magnetism of the image that I couldn't resist making it my profile photo on Discord. Every time someone complimented it or inquired about its origins, a wave of pride washed over me. It wasn't just an artwork; it was a piece of me, a testament to dedication, creativity, and the magic that ensues when one marries vision with skill.

Now I only use Yodayo for NSFW stuff nowadays because I genuinely think it's the best Uncensored AI image generator once you get the hang of it. So for all the Yodayo users, I'm going to add these here for your leisure so you can get a sense of how each model looks different.

1. AnythingV5   2. Stable Diffusion Anime   3. Holo Waifu   4. Holo Love   5. Abyss Neo

6. Abyss   7. Chik   8. Chill   9. Lucky Strike   10. Perfect
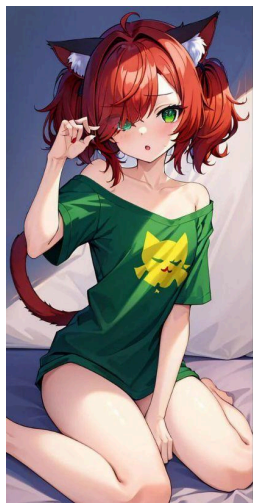
11. Cetus
12. Face Bomb
13. Dalce
14. Dalce Anime
15. Yodayo Mix
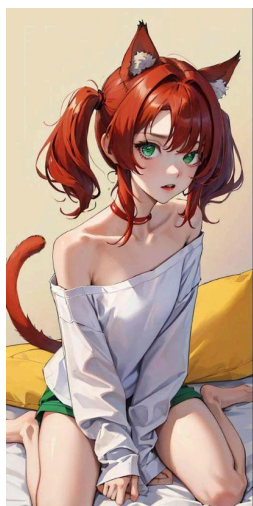
16. Ambrosia
17. Exp
18. Bocchi
19. Hassaku
20. K Diffusion

21. Morr
22. Solarra
23. NewLife
24. Anime Pastel Dream
25. AnyLora

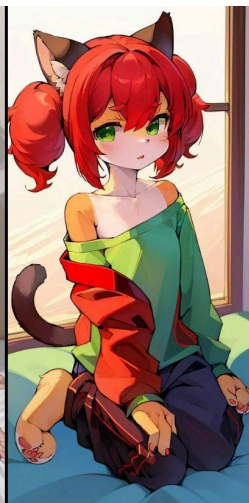26. Fantasy

27. Vela

28. Yooz

29. Anytai

30. Niji

31. Colorbox

32. YorrlMix

33. Erebus

34. Cross Kemono-Furry

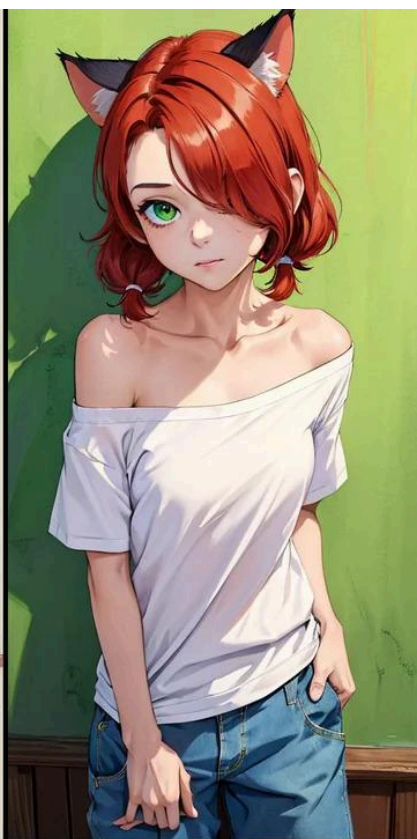35. Dark

36. Inkpunk

37. Rev

38. Meina Pastel

39. Pavo

40. Persona

41. DreamCetus
42. Perfect Sketchbook
43. SR-Alpha

13 New Models Style Comparison

Brain Dance

Brave Dawn

Break Dro

Shyaku

Anime Liner

HameFMix

Digital Soul

Relia Flow

Funi Funisitai

Nine Key Mix 12

Nine Key Mix 7

Realistic Vision

epiC Realism

YODAYO

Conclusion

As we draw the curtain on this enlightening voyage through AI image generation and manipulation, I find myself in awe of the expansive horizons technology has brought within our reach. The confluence of art and artificial intelligence opens doors to worlds previously uncharted, and it's been a privilege to serve as your guide through this realm.

To each reader who has journeyed alongside me, thank you. Your curiosity, passion, and drive to explore are the very forces that propel innovation and creativity forward. My hope is that this guide has not only imparted knowledge but has also inspired you to push the boundaries of what is possible, to imagine fearlessly, and to create boundlessly.

Remember, in the digital realm, your canvas is as vast as your imagination. With the tools and techniques at your disposal, the universe truly is your playground.

Thank you once again for investing your time and trust in this guide. Until our paths cross again, keep creating, keep exploring, and most importantly, keep dreaming.

Warm regards, Efficient Emu aka The Zhuge