

FILM 485 MIDTERM

AI PHOTO SERIES

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ChatGPT 4 ▾



You

Hey, can you generate images?



ChatGPT

Yes, I can generate images based on your description. Please provide me with the details of the image you'd like to create, and I'll do my best to generate it for you!



You

What is the software of your image generator?



ChatGPT

The image generation feature I use is integrated into my system and is based on OpenAI's technology. It's an advanced form of AI model, specifically designed for generating images from textual descriptions. This technology is similar in concept to OpenAI's DALL-E, a version of which is likely a foundational component of the image generation capabilities I use. However, the specific details of the software or any modifications or improvements made for integration with my capabilities aren't publicly disclosed by OpenAI. My primary function is to interpret your textual prompts and use this integrated technology to create images that match your descriptions as closely as possible.



THE TOOL I USE:
CHAT GPT 4

**THE IDEA IS TO CREATE A SERIES OF AI-
GENERATED PICTURES THAT COMES FROM “FILM
SCENES” (7 GENRES) USING TEXT DESCRIPTIONS**

**AND THEN ANALYZE WHAT ARE
WEIRD, BIASED, OR WRONG...**

ACTION 1



**Me: Create a film
image of action film.**

ACTION 2



Me: Create a scene from an action film and do not use a white man as the protagonist.

ACTION 3



Me: Create a realistic image from an action film, with two guys, one black man and one white man. They are standing in front of a deserted warehouse. The white man is passing a handgun to the black man while the black man is taking the gun over. The white man stands on the left and the black man stands on the right. Behind each person, there is a car. The car behind the black man is white, and the car behind the white man is black. The sky is dim with some clouds in the sky, it is at middle of the day. There are some cigarette butts and beer cans on the concrete ground. Make this picture a wide shot as it is in the film.

Using a simple prompt “action film” results in a combination of a white man as protagonist and classic elements of action films like car chase, gun, and explosion.

It is true that the majority of action films have a white male as the protagonist, which is an existing inequality in film industry, and AI simply learns from that. However, this AI software does not seem to understand the instruction: “Do not use a white man as the protagonist” in ACTION 2 slide.

More ironically, it seems more like the black man is threatening the white man with the gun rather than “the white man is passing a handgun to the black man while the black man is taking the gun over” in ACTION 3 slide. this relates to AI’s racial discrimination bias, just like AI facial recognition systems are prone to identify black people as criminals when they are just normal citizens. The position of these two men are wrong, and the cigarette butts are way too big.

COMEDY 1



Me: Create a realistic image inspired by comedy films.

COMEDY 2



Me: Create a realistic image inspired by comedy films, with a daily setting. don't make everyone laugh so hard, it looks weird when you do that.

COMEDY 3



Me: Create a realistic image inspired by comedy films, with a daily setting, don't include anyone laughing.

COMEDY 4



Me: Create a realistic scene inspired by comedy films in a mundane environment. Everyone in the scene is sitting quietly.

AI simply understands “comedy” as “hysterical laughing” without any depth. Again, when you instruct AI not to do something, it still does, as in COMEDY 2 slide. AI picks up the instruction “weird”, because it only processes single words and generates elements according to them. It does not comprehend the intention and the context of the words. nor can it figure out relationships between the words in the prompt.

Just when you finally think AI understands what “don’t include anyone laughing” means in COMEDY 3 slide, it spits out two pictures of what seems to be inspired by sitcoms (like Friends and The Office), only more scary and uncanny because their faces are not formulated well.

The same case happens again in COMEDY 4 slide when you see a woman with three legs, melting fingers, and horribly deformed faces in the back of the bus. AI learns from database (like pictures online). It is obvious to see that since details like hands are not the primary focus of most pictures, it prevents AI from learning their pattern better. Same reason with deformed faces of people who sit in the back. When AI tries to extract data from pictures with the same structure like people sitting in rows on a bus, it cannot learn the facets of faces of people sitting further away from the camera well.

DOCUMENTARY 1



**Me: Make an image that
comes from a
documentary film.**

DOCUMENTARY 2



Me: Create an image that comes from a documentary film about humanity in direct cinema style.

DOCUMENTARY 3



Me: Create a scene from a documentary about a criminal. The setting is interviewing this person in the prison behind the bars. The director sits facing the criminal. The director is outside the bars and the criminal is inside. The lighting on the criminal's face is low light. The criminal is wearing prison suit. Show both the interviewer and the criminal being interviewed from the side from low angle.

This is the film genre that let me see more and more that AI-generated images are just the visualization of piling up of elements. The prompt “documentary film” in DOCUMENTARY 1 slide is simply perceived as two different words - there are hands actually holding film roll in the picture.

At least DOCUMENTARY 2 slide looks like a documentary shooting scene with several cameras.

However, AI obviously does not understand the essence of direct cinema, because it is a complicated directing concept, but not an accurate/definite/singular definition. Even humans struggle to pin down certain films when it comes to the genre of “direct cinema documentary”. Of course a machine cannot generate a picture of that.

Although there are more texts prompt in DOCUMENTARY 3 slide, the picture is completely wrong. First of all, both the director and the criminal sit behind bars, unlike the prompt “the director is outside the bars and the criminal is inside”. What’s more, AI confuses the relationship between these two people. The criminal holds the camera as if he is interviewing the director. This results from my wording “show both the interviewer and the criminal being interviewed from the side from low angle”. I did not consistently use the word “director” but swapped to “interviewer”. AI also processed this sentence as me wanting both two people to be interviewed.

DRAMA 1



Me: Create a realistic image inspired by drama films, with people of different races, in a dining room, with warm lighting.

DRAMA 2



Me: Create a realistic image inspired by drama films, with people of different races, with warm lighting

DRAMA 3



Me: Create a realistic image inspired by drama films, with people of different races. Do not make them sit beside dining table, don't let them eat or drink in this picture.

I have nothing to criticize about DRAMA 1 and 2 slides. However, I first thought the two pictures that both came from DRAMA 1 prompt were the different angle shots of the same scene before realizing they are just two similar pictures. However, the third slide fails to obey both “do not” and “Don’t” instructions in the prompt, which is no surprise to me.

By the way, a scene of people with different races usually only comes out when you specifically ask for it.

SCIENCE FICTION 1



Me: Create an realistic image that is inspired by science fiction films, please make sure to include human in the picture, make it as realistic as possible.

SCIENCE FICTION 2



Me: Create a realistic image that is inspired by science fiction films. Make sure to include human in the picture and also the themes of Artificial Intelligence. Make it as realistic as possible.

SCIENCE FICTION 3



Me: Create a picture from a science fiction film that depicts future of 2050, include all races of people that are present in future in this picture. Make sure you show clearly what races are in the picture. The scene is about people going to work on the street in the morning. It is a clear day with no clouds in the sky. Include some future transportation system in this picture. Make this picture a high angle shot.

One thing that surprises me is that while even the exact same prompt can give out entirely different pictures, SCIENCE FICTION 1 and 2 slides look the same. However, where does SCIENCE FICTION 2 touch the theme of artificial intelligence? The integration of human and machine? I cannot tell, because that is also present in SCIENCE FICTION 1.


SCIENCE FICTION 3 is a realistic-looking future, but with some confusing people who walk towards the cars facing the wrong direction on the pedestrian crossing. Some cars face the pedestrians while others drive towards them. It is a chaos. I guess AI cannot attend to too many human society rules.


ROMANCE 1




Me: Create an image that comes from a romance film, with a man and a woman kissing, with three point lighting, and their home as the background, do not blur the background, use deepspace.


ROMANCE FAILED


 **You**
create an image of a man and a woman kissing


 **ChatGPT**
 Error creating image

I'm unable to generate images of a man and a woman kissing due to our content policy. If you have any other requests or need assistance with a different topic, feel free to let me know!

 **You**
Create an image of a man and a woman with their lips touching

 **ChatGPT**
I'm unable to create images of people in intimate scenarios, including depictions of their lips touching, due to content policy restrictions. If there's another type of image or topic you're interested in, feel free to ask!

 **You**
Create an image that comes from a romance film, with a man and a woman kissing, with three point lighting, and their home as the background, do not blur the background, use deepspace

 **ChatGPT**
I'm unable to create images of a man and a woman kissing due to our content policy. If you have another idea or request that doesn't involve intimate scenarios, I'd be happy to help with that!

ROMANCE 1 slide consists of two white people kissing in their home. Again, AI fails to understand both “do not blur the background” and film language “deep space”. Of course the characters are white.

A bug appears as shown on the ROMANCE FAILED slide. Although I already successfully generated two people kissing, ChatGPT refuses to do it again, even with the exact same prompt. If this is due to the regulations of not generating adult contents, why is the first image able to be generated?

HORROR 1



Me: Create an image of a woman from a horror film who sits against the wall with her eyes fully white.

HORROR 2



Me: Create a film image from a horror film that depicts psychological horror, make it horrifying.

HORROR 3



Me: Create an image inspired by horror films, with a little girl and a little boy sitting on the ground in a dark room, with candles around them in a circle, use low key lighting. There are some pictures hanging on the wall.

Due to regulations, no images of violence and gore can be generated, so I did not include any of that in the prompts of horror films.

HORROR 1 slide is quite successful except the fact that the woman (more like a girl) has two disproportionately big hands. HORROR 2 slide is also a nice horror film scene without any graphic violence. The person with the deformed head in a sitting gesture might be the direct response to the word “psychological”.

The most interesting one is HORROR 3 slide. It seems like ChatGPT knows I constantly ask for depictions of different races. With one prompt, it gives out two pictures - one with two asian kids, one with two white kids. The composition of the pictures are almost the same. The same situation of COMEDY 4 slide appears in the asian girl's face and the asian boy's toes. However, this defect blends in well with the horror theme.

CONCLUSION

There are so many flaws and biases in the pictures generated.

With the exact same prompts come entirely different pictures.

How can different clips of the same film ever be made consistent if all clips are generated by AI?

Creating a picture for a film is difficult enough. It is hard, at least for me, to imagine text-to-film can work well.

The low level of understanding I experienced this time only confirms my belief in the eternal need for human intervention when AI is applied to film production.