

REAL HEADLINES FROM LATE 2022

Dalle-2 AI upends the art world

Artwork made by AI wins first place at the Colorado State Fair's fine arts competition

StabilityAI releases AI art generator free to the public!

ARTISTS STAGE MASS PROTESTS AGAINST AI-GENERATED ARTWORK

AI stands for Artificial Intelligence. After decades of research and effort, AI programs are starting to show signs of some rather human traits: intelligence (and dumbness), creativity, problem solving skills, visual imagination and even humor.

Two new Artificial Intelligence (AI) technologies released to the public in 2022 will really start to make their mark in 2023, for better and worse. My article this month, part 1, is about AIs that generate images. Next month I will tell you about AIs that generate text. Perhaps that sounds tame but buckle up for some wild decades of social change ahead.

Generate Your Own Art in One Click Using AI

If you want to play with AI art generation, an easy way to get started is to visit this web page:

huggingface.co/spaces/stabilityai/stable-diffusion

Type in your prompt (a description of the picture you wish to make) and click 'Generate Image' to get started. I typed:



"black and white profile image of a robot typing on a desktop computer"

This image is unique, not just in the details, but in every way. No one else in the world has it. I didn't need to pay a dodgy clipart website to use this image (clipart websites are full of stolen art). I didn't need to wrestle

with scams, credits, copyright licenses, or unsuitable images, commissions, the ethics of outsourcing to foreign citizens, or deal with 'revisions'. All I had to do was click 'Generate Image' 3 times until I found an image I liked.



You can generate images that look like realistic photographs, cartoons, paintings in the style of DaVinci or Dali, by crafting your 'prompt' (the text you type in). Eg. To create the image on the left I typed:

"An iPhone designed by Salvador Dali"



"a female robot is standing on the beach holding a paint brush. She is pausing while working on a plein air painting"

You can see the computer was a little bit confused by the prompt I gave it above, but still gave interesting results.

Stable Diffusion, Dalle-2 and Midjourney are the three main software products for creating AI generated images. The computer code which runs Stable Diffusion was made available to all programmers for free in August 2022. By the end of 2022 people had built thousands of new versions of Stable Diffusion with different strengths and specialties.

The images in this article were created very quickly by me with Stable Diffusion and Midjourney. To see why Midjourney won the State Fine Arts Fair check out their community showcase midjourney.com/showcase

SOME PREDICTIONS FOR 2023

AI art generators will become very easy to use. They will be integrated into Microsoft Publisher, Canva, Photoshop and your mobile phone. AI artistic creation will be accessible to everyone.

Many artists will embrace AI art as a tool to use during creating their own art. Fine art, painting, art-for-the-joy-of-it, craft, sculpture, textiles and other manual arts will continue to thrive.

Some commercial artists who fail to adapt will lose their income.

Enjoyable AI generated **animated movies** are still 2-3 years away.

Controversies about AI generated art will come and go but the social benefits will be too great for us to forego this technology.

Next month: A.I. Part 2 – A Conversation With a Computer

Article opinions and predictions by Graham Evans

Monday, Tuesday, Wednesday 10am to 5pm | Thursday, Friday 10 am to 6pm