

THE IMPACT OF A.I & HOW IT AFFECTS ARTISTS

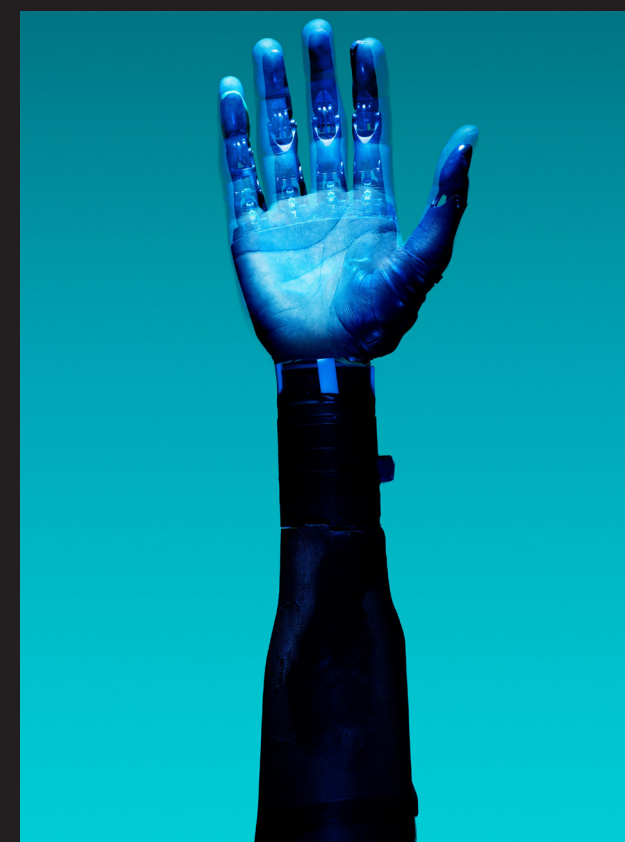
AI is not a new concept but is a technology that is rapidly advancing and because of recent advancements of AI in art, many artists are afraid of losing jobs. Concerns about AI art are typically focused on taking credit for artwork that was not created by a person, losing jobs, as well as potentially using AI images and art that could incriminate somebody.

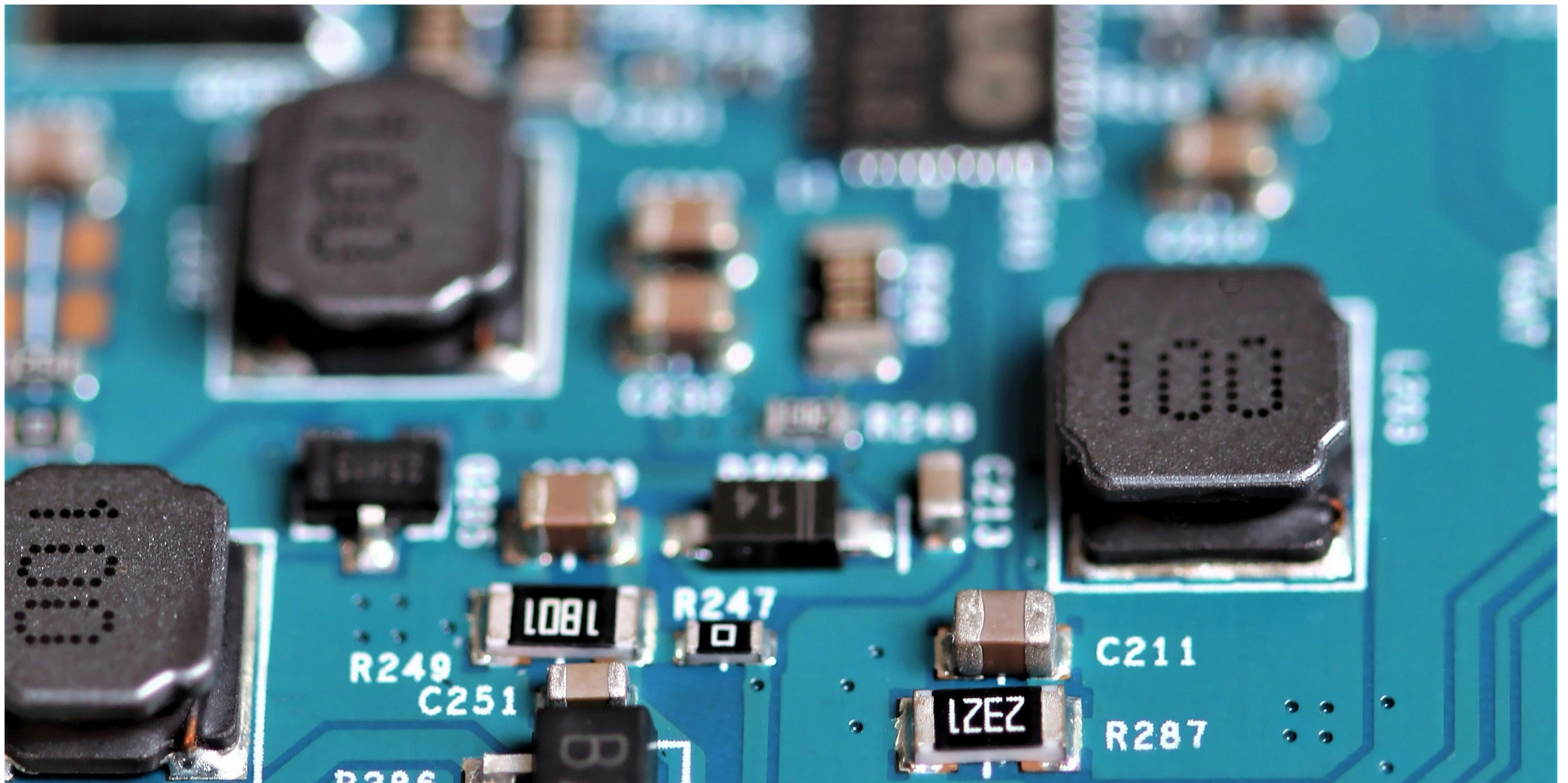
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Artificial Intelligence, also abbreviated as AI, has been an invention that has rapidly developed into its current advanced state. AI surrounds our modern lives with examples such as text editors, virtual assistants, social media algorithms, and much more. Despite the convenience that AI has accomplished, many are concerned about the negative impacts that AI can cause on society. Recently, this conversation has emerged because of the introduction of AI art, which is art or images that are generated by AI. With these new forms of AI rising, many artists are concerned about losing their careers and being replaced by AI. Despite this, the development of AI is not adversely affecting careers but leads to opportunities for effectiveness, productivity, and proficiency.

AI has been around since the 1950s yet was a limiting concept when it first started, AI started to develop more efficiently till around the 90s. AI can be accredited by various scientists such as Alan Turing, Stephen Hawking, and John McCarthy. But AI was not invented by just one individual, as there are many distinct types of AI. To briefly explain AI as stated by Whitson and others, "when defining artificial intelligence, it is important to remember that the programs, machines, and models developed by computer scientists, engineers, and cognitive scientists do not actually have human intelligence; they only exhibit intelligent behavior. This can be difficult to remember because artificially intelligent systems often contain large numbers of facts, such as weather information for New York City; complex reasoning patterns, such as the reasoning needed to prove a geometric theorem from axioms; complex knowledge, such as an understanding of all the rules required to build an automobile; and the ability to learn, such as a neural network learning to recognize cancer cells"

The type of AI I will be focusing on will be AI that generates visual content such as Dall-E-2. Dall-E-2 is an AI created by a company called OpenAI, which focuses on creating AI and AI research to assist humanity, as stated on the website OpenAI. Dall-E-2 is one of their most popular AIs and it creates original images based on text prompts provided by the user. Some features include outpainting, allowing AI to determine what is beyond the original composition. Inpainting, creates realistic edits in a photograph by telling the AI what you want to edit. And finally, variations take an original image and create different versions of it. With all the useful and efficient images created by Dall-E-2, it can assist artists with creating concepts in a shorter amount of time and potentially make the workflow faster. As described by Knight in his article in Wired, "many people experimenting with DALL-E and similar AI tools describe them less as a replacement than as a new kind of artistic assistant or muse. "It's like talking to an alien entity,"





says David R Munson, a photographer, writer, and English teacher in Japan who has been using DALL-E for the past two weeks” (Knight, 2022).

Yet because of these recent and advanced developments, artists are concerned about whether AI will affect careers and other aspects of society. For example, one of the main concerns about AI that generates images and videos is using them to corrupt evidence or using art styles from well-known artists to generate images. Using these images to claim the art as their own original material or even possibly using believable

AI-generated images as evidence in court cases or other scenarios. In Mahmud’s article he states, “In this era of technology, digital evidence is now given a lot of credence before judicial proceedings. Using deep learning and Generative Adversarial Networks fake content is threatening the admissibility of digital evidence” (Mahmud, 2023, p.7).



Another main topic that is usually concerned with AI is regarding how AI will affect jobs, but despite this concern, there has been evidence to show a positive outcome. As stated by Xu and others, “AI has positive implications for workers, such as generating new employment opportunities and increasing the income of some management and skilled positions however, its downsides include the replacement of jobs, leading to unemployment. According to the transactional theory of stress, when individuals perceive that AI offers them opportunities, they will apply problem-oriented coping strategies, which will lessen their stress and improve their long-term well-being”

(Xu et al., 2023).

