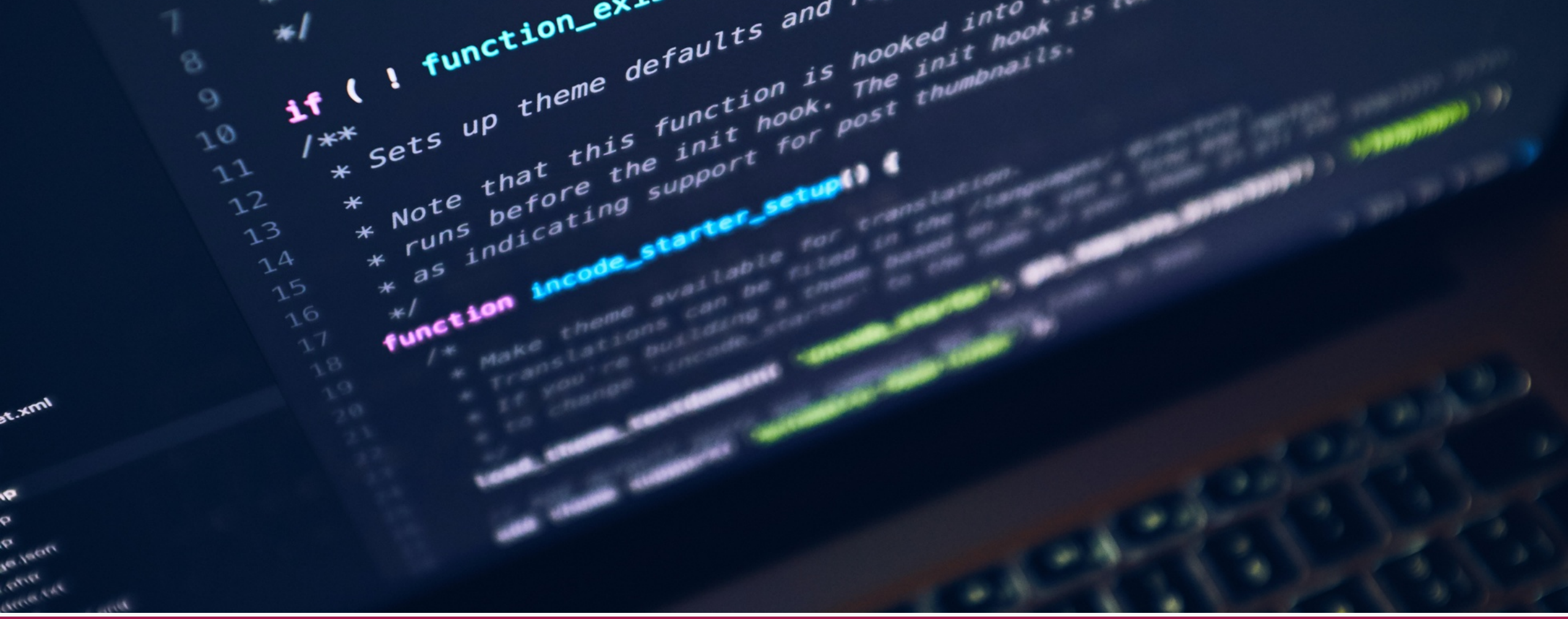


AI AND ARTISTRY: THE RELATIONSHIP BETWEEN CREATIVITY AND TECHNOLOGY

Why the Univeristy of Michigan should separate AI use with art- By Noelle Kaufmann

UNIVERISTY OF MICHIGAN ART SCHOOL VALUES ART

ACME CORPORATION

A technology company known for artificial intelligence research. They started the uprising of AI use in general and the advancement within creative AI

THE RISE OF AI ART

2018

The first AI-generated portrait sold at auction for $432,500, sparking interest in AI art.

2020

OpenAI's DALL-E model generates images from text descriptions, advancing AI art capabilities

2022

AI art generators like DALL-E 2, Stable Diffusion and Midjourney gain widespread popularity

AI ART CONTROVERSIES

Lacks Human Emotions

AI art is generated by algorithms without human planning, so it is viewed by some as lacking creativity.

Cannot Be Truly Creative

Since AI systems follow predefined constraints, some argue the output cannot be considered imaginative in the same way human art is.

Undermines Human Artists

The ability for AI to rapidly generate art undercuts human artists who spend years honing their craft.

Raises Copyright Concerns

It is unclear who owns the copyright of art generated by AI systems trained on human-made datasets.

Devalues Artistic Skills

The skill and effort required to make art by hand is diminished if AI can automatically produce high quality works.

AI ART MARKET GROWTH

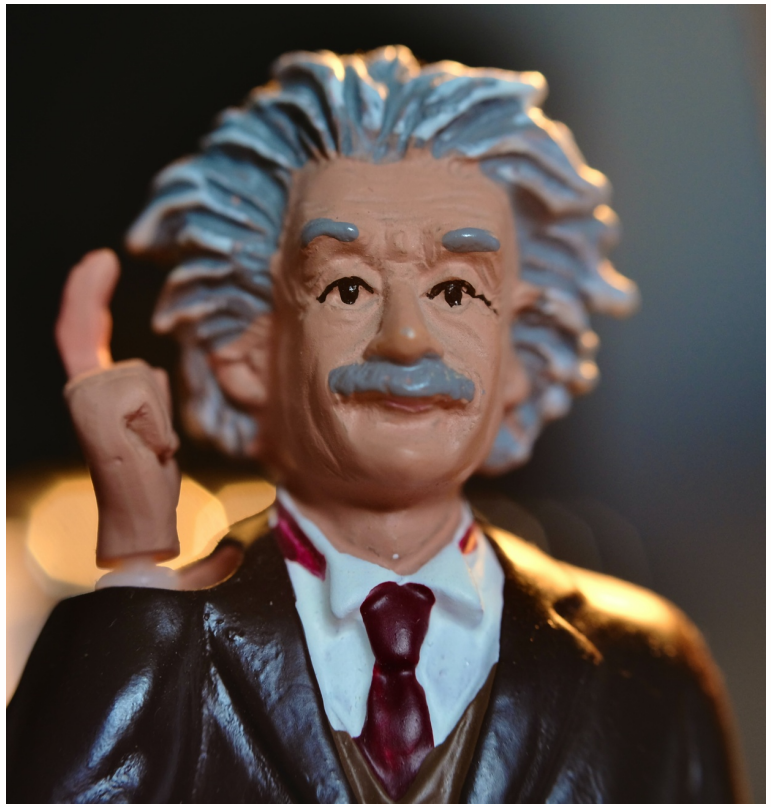
AI Artwork Auction Sales

Growth in Number of AI Artists

Increase in Online AI Art Sales

Rise in Corporate AI Art Commissions

EXAMPLES OF AI ART



Pixel portrait of Albert Einstein

A pixelated portrait of Albert Einstein created by Midjourney AI.

Surreal landscape with melting clocks

A surreal landscape with melting clocks reminiscent of a Dali painting, generated by DALL-E 2 AI.

Futuristic cityscape

A futuristic cityscape with flying cars and neon lights created by Midjourney AI.

ARTISTIC INTENT AND CREATIVITY

Algorithms are designed to follow predefined rules and processes to achieve specific goals. While they can produce novel and complex outputs, true artistic intent requires a deeper understanding of creative expression, imagination, and meaning that current AI lacks. However, as algorithms grow more advanced, they may develop capacities that approximate human creativity in limited ways.

EVALUATING AI ART

Different Criteria

AI art should be judged by how well it achieves its purpose rather than by human art standards.

Novelty and Skill

AI art is novel but lacks human artistic skill and emotional meaning.

Economic Value

AI art has economic value by being mass-producible and customized but lacks scarcity.

Authenticity

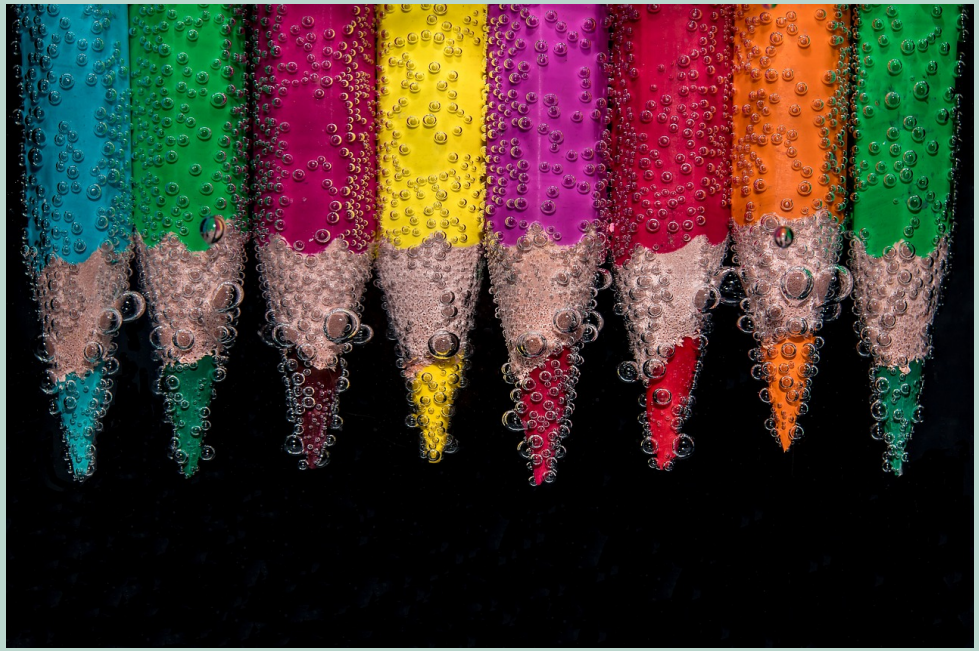
AI art lacks authentic human expression but has computational authenticity.

Creativity

AI art exhibits computational creativity but lacks human ingenuity.

Co-Creation

The best AI art comes from symbiotic co-creation between humans and machines.



THE FUTURE OF HUMAN CREATIVITY

As AI becomes more sophisticated, human artists will need to focus on the aspects of art that are uniquely human - creativity, emotion, and meaning. AI may be able to generate images, but it lacks the empathy and cultural context that allows human artists to create truly impactful works. Without the time and emotion that humans can add to art project it takes away the artistic skill that makes art so special. I think Michigan can learn to use art to advance their skills and abilities, but don't let it take away how people are making the art and competing with others using it.

KEEP AI OUT OF ART MICHIGAN

Students aren't going to want to come to this University to pursue their passions in art if the process of the work is taken out. Kids will start choosing programs that don't utilize and take over art with computers and it will affect the creativity parts that Umich has to offer in the art school.

“"ARTISTS WILL ALWAYS HAVE AN IRREPLACEABLE ROLE IN SOCIETY. NO MATTER HOW ADVANCED TECHNOLOGY BECOMES, THE HUMAN SPIRIT REMAINS OUR MOST PRECIOUS RESOURCE.'”

MAYA ANGELOU

THANK YOU FOR YOUR TIME