

Curator's Note + Artwork Description

CURATOR'S NOTE

THROUGH THE LENS OF AI INTO THE HIDDEN DEPTHS OF THE DATASETS by Luba Elliott

Working with AI art sometimes feels like gazing into a pond of water—we are not sure what we will get as a reflection. The exhibition artists' continued explorations into the natural form and its possibilities of representation with AI over the years have encouraged me to consider what distinguishes this type of art practice from the myriad other ways of depicting humans and the natural world.

Looking into a still pond, we see a clear, gently blurred version of ourselves staring back at us, while turbulent waters return mere rippled echoes of our shape. These changing reflections of ourselves are similar to images generated from data, which can be hyperrealistic depictions of the original, or images that are surreal and barely recognizable, as flaws and errors creep in.

Reflections in the Water looks at the way artists represent nature and humans, using the latest machine learning technologies to conjure seascapes, imaginary marine creatures, autumn leaves as well as musing on the human form, its shapes and possibilities. Masks and faces akin to the grotesque rear their heads, reminding us both of the early errors of these technologies and the eternal human fascination with depicting ourselves. These artists present AI as a tool to both craft new reflections on perennial subject matters as well as a creative partner, conjuring new landscapes, creatures, and human forms.

The focus on nature and human form was because of my desire to present a show that is accessible, tangible, and relatable to the human experience: AI provides ample opportunities for developing artwork that is rooted in technology and its concerns, yet it is also a tool for dealing with our ever present preoccupations and fascinations. As my curatorial practice has been about showcasing the latest AI artworks to broad audiences, it felt right to theme this exhibition on humans and nature—here, after all, technological progress can be most easily measured: humans, creatures, and natural powers are all around us in real life and as art historical subject matter.

My time in creative AI began with the rush of excitement occasioned by DeepDream, a neural network that brought out slugs, puppies, and hypnotic colors out of mundane images. Many scientists and emerging artists of the time experimented with DeepDream and related technologies that followed, most notably the GAN, a superior form of generating images by using two neural networks, one that creates and another that judges. GAN technologies have improved much over the years, from producing lopsided faces and limbs in wrong places to photorealistic images. In a way, this has presented a surprising challenge to AI art practitioners—what to do now that perfect realism is within reach? This limitation has led to an increased focus on the development of individual, non-technology reliant artistic styles as well as more thought out conceptual developments.

Reflections in the Water is relevant now. Partly, because the water is becoming increasingly polluted, the algae is blooming, the climate is warming, and therefore the commonplace aesthetics and visual properties of what we know as water may change drastically soon. And partly, because working with AI has the potential to change too, as the technology becomes more predictable and controllable, rendering blurry reflections, distorted forms and uncertain outcomes a thing of the past. The exhibition artists provide a snapshot of the current point in the evolution of our artistic relationship with AI technology, bringing out its occasional formal confusions, distinctive textures and ever present aspects of realism.

ARTWORK DESCRIPTION

Scott Eaton's "Contemplating Motion" is an exploration of human motion, abstracted in time. The piece combines video shot by the artist with a custom neural network. The neural network driving the aesthetic of this piece began as an experiment attempting to teach an AI about reflections—could it learn to reflect things outside of its immediate view? This task requires a type of 'visual imagination' that artists cultivate when training to draw or paint. The resulting network, though often unpredictable, dynamically renders form from silhouette, imagining sophisticated plane changes inside the figure with highlights continuously rising and falling from these surfaces. The work was modified to allow the neural network to fade the motion through time, continuously moving and then forgetting, in some ways reflecting the mind of the dancer as she improvised the movement.

