Phase I

Classical Art

In traditional art forms, such as paintings and sculptures, both of the making and the evaluation are done by artists. They paint or sculpt by themselves, evaluate their work after each step and trying to align it with their goals.





My Proposal

A new artist-machine creative process



Phase II

Contemporary art

With the advancement in Computer technology, as well as the movement of Conceptual Art, the making was then replaced by machines. An artist designed a "dummy-proof" procedural to be performed by either a person or a computer. Once a work is done, the artist can





evaluate it, and decide if he

needs to keep it, discard it,

or modify the procedural.

The procedurals were in

transformed to computer

form of texts, and

Given the nature of machine learning tools, I think in the new paradigm, the machine should be in charge of both the making and the evaluating, but the artists are still privileged to come up with the idea, so the core of the project. Concerning the making, artists still design the procedural for machine to perform. This procedural should be able to produce various results based on certain parameters. As to the results evaluating, instead of having the artist go over those results and distinguish the good from the bad, the artist trains a neural network to complete this task. By selecting images that represents the artists idea and train the neural networks with selected images, hopefully the neural networks can perform as well as the artist in evaluation, but more importantly, with a bonus of additional creativity from machine.

References:

- 1. The Ambassadors (1533) By Hans Holbein
- 2. David(1501–1504) By Michelangelo
- 3. Isometric Projection #13, ink and pencil drawing on paper (1981) By Sol LeWitt
- 4. P-197 J, ink on paper (1977–87) By Manfred
- 5. Flight Patterns, data visualization(2015) By Aaron Moblin
- 6. Making Visible the Invisible, (2005 2014) By George Legrady





Evolutionary History of Art Creation Process

A perspective from Technology Advancement Presenter: Weihao Qiu

Phase III

Recent Years

The evaluation process also gradually incorporates computer techniques for two reasons, to *implement more* complicated ideas and to invite new aesthetics.

More complicated ideas: artists are dealing with huge volume of data, which far exceed the human's processing capability.





Phase IV

Now

In attempts to incorporating the family of the new machine learning tools in the creation process, artists find they are difficult to work with.because those tools, if used in generative way, are







decoupled.

work.







