

Project title:

Art Style Explorer

Students:

Seiji Yang (seijiy@stanford.edu), Archish Arun (archish@stanford.edu)

One sentence summary of your project: Application that, when given an image of a work of art as an input, generates names of artists and works of art with similar art styles.

Background (prior works and methods, existing benchmarks...etc): Currently, there exists applications like google's reverse image search which will scour the internet for sources and weblinks with information relevant to the inputted image, as well as AI "art" generators which will create works of "art" similar to the input—while these two applications may achieve similar results as our project, they may not necessarily generate names of artists.

Your proposed method and evaluation:

The obvious first method of approach would be to run a neural network with a massive database of works of art and its corresponding artist. To make it more interesting, we could extract the lines from the artwork and compare the line work of the inputted image to the line art of other works of art. By removing color and texture and looking solely at the shapes and the overall composition of the work, we may get some unique results and comparisons.

Anything else you'd like us to know:

N/A

TA you'd like to work with (Abi/Shruti/Ayush/lan):

lan