



# Immersive Learning

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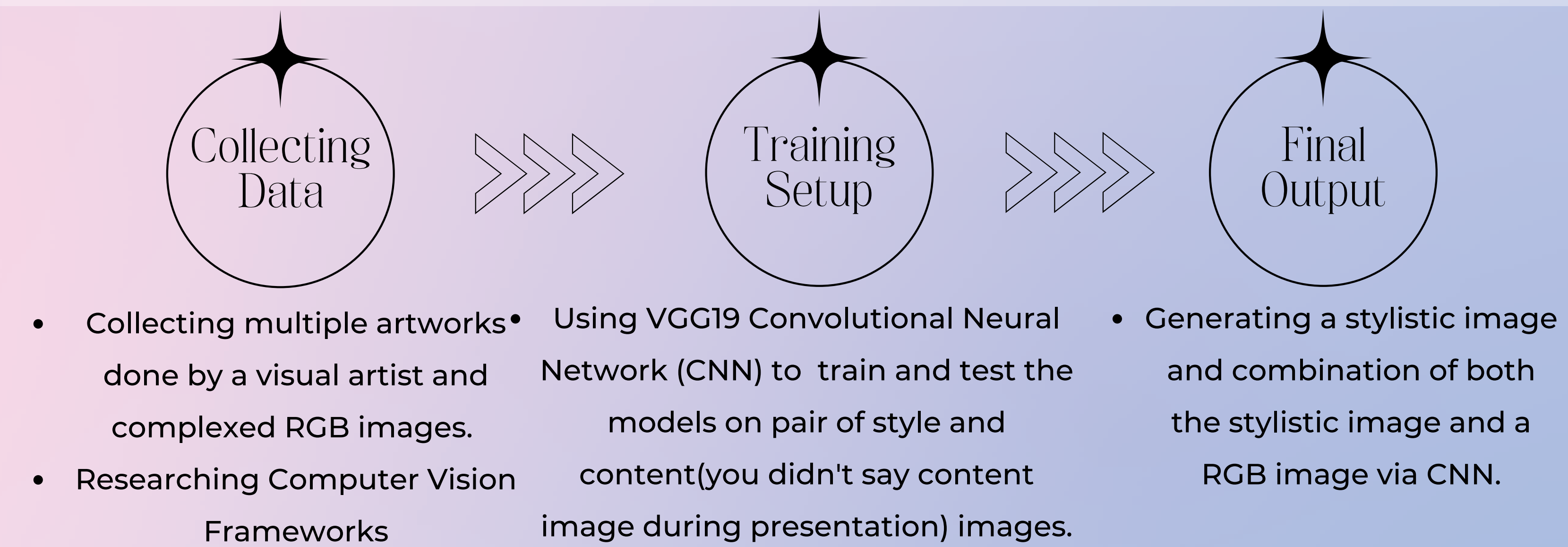
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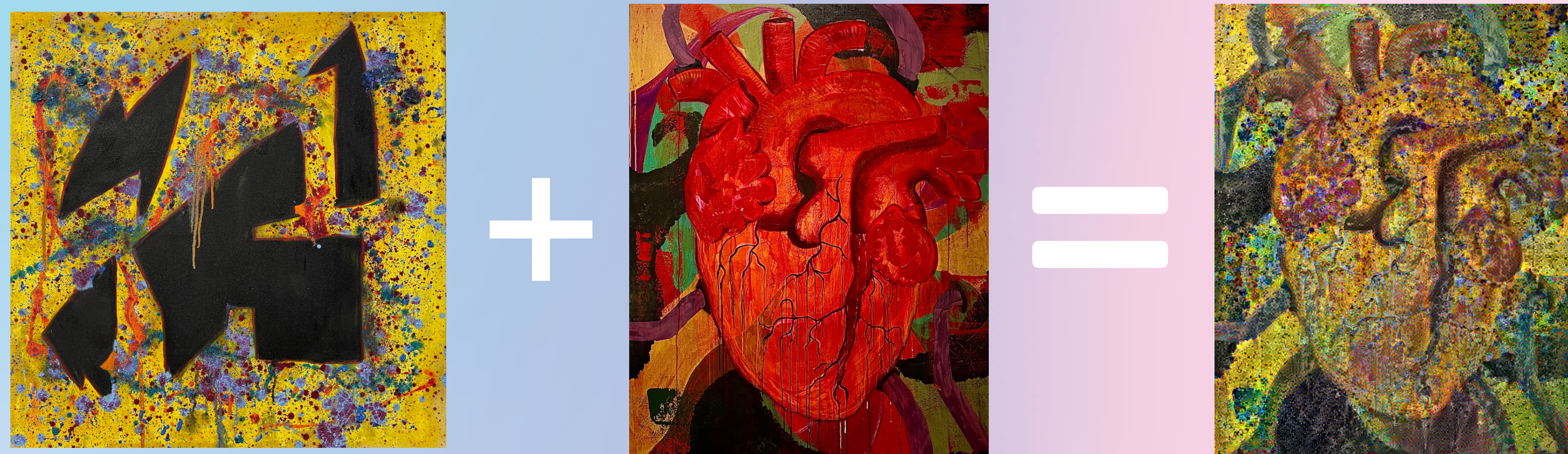
## Abstract

This project's main objective is to create an immersive learning environment through the use of high-level user face interaction. The purpose is to curate a rendering tool where human data can be transformed into rich, personalized experiences through a series of powerful, one-of-a-kind interactions. It aims to incorporate both aspects of visual arts and technology- merging them in a unique way that will transform a space into an immersive learning environment. To achieve this goal, a neural style transfer network is used to train images to generate into a single- stylistic image.

## Projection



## Stylistic Image Generation



## Technologies



## Future Work



To enhance the rendering tool, gesture recognition will be implemented to control the combination of the two images. This can be done by using a live streaming camera to track a human hand's motion.

## Content & Image Combination



## References

“Neural Style Transfer | TensorFlow Core.” TensorFlow, [www.tensorflow.org/tutorials/generative/style\\_transfer](http://www.tensorflow.org/tutorials/generative/style_transfer). Accessed 4 May 2022.

## Acknowledgements

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