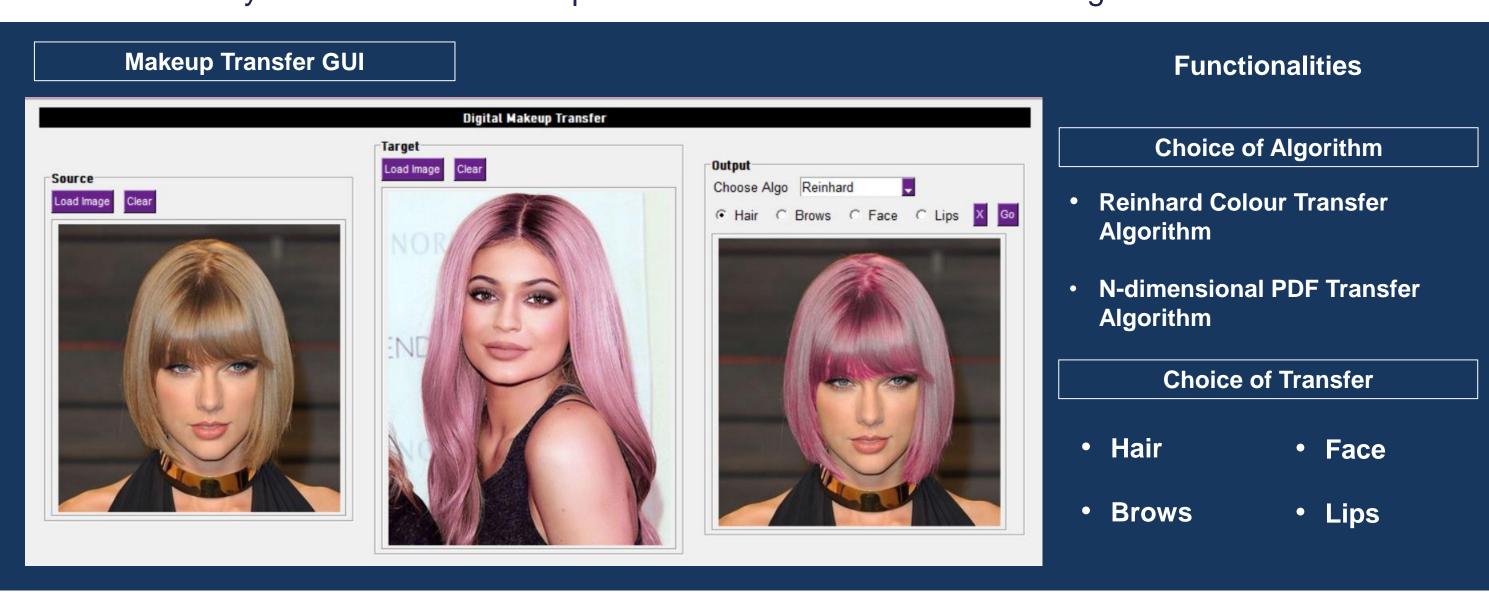
Digital Makeup Transfer

Using Machine Learning Algorithms

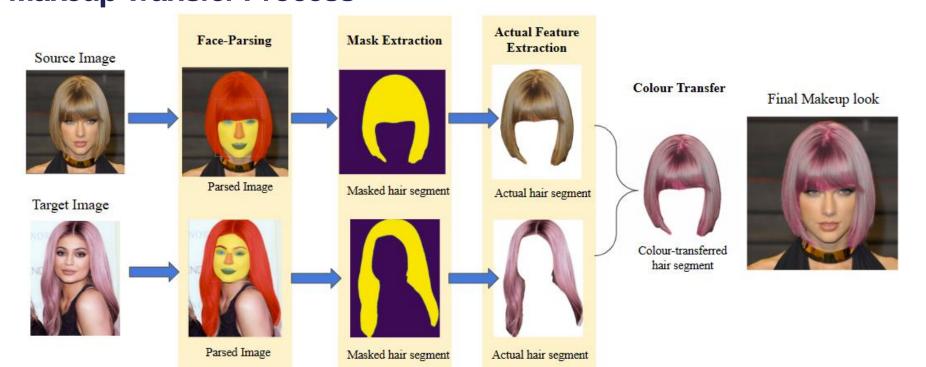
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Project Objective

Posting self-portraitures have become increasingly popular on social media platforms, leading to a rise in demand for photo-editing applications as a way to beautify their self-portraits. However, current applications available for photo editing are designed solely for raster images, which can result in a loss in image quality when resized. This project presents the design and implementation of a digital makeup transfer algorithm using machine learning algorithms which will allow users to apply makeup to their portrait images digitally. This project aims to develop a makeup transfer algorithm that edits vector graphics such that image quality is maintained. Different colour transfer methods and facial segmentation models were also examined and further discussed.

Makeup Transfer Process



Makeup Transfer Sample Results







N-dimensional PDF Transfer