Midterm Project Concept

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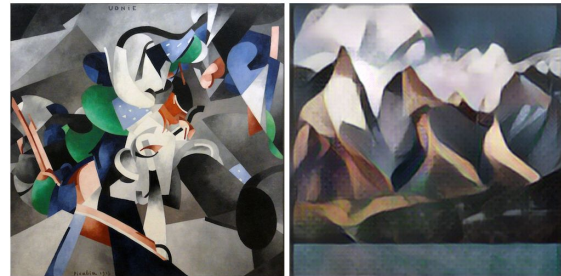
Style Transfer

Add FANCY effects to images

Style A: The Great Wave off Kanagawa, 1829 – Katsushika Hokusai
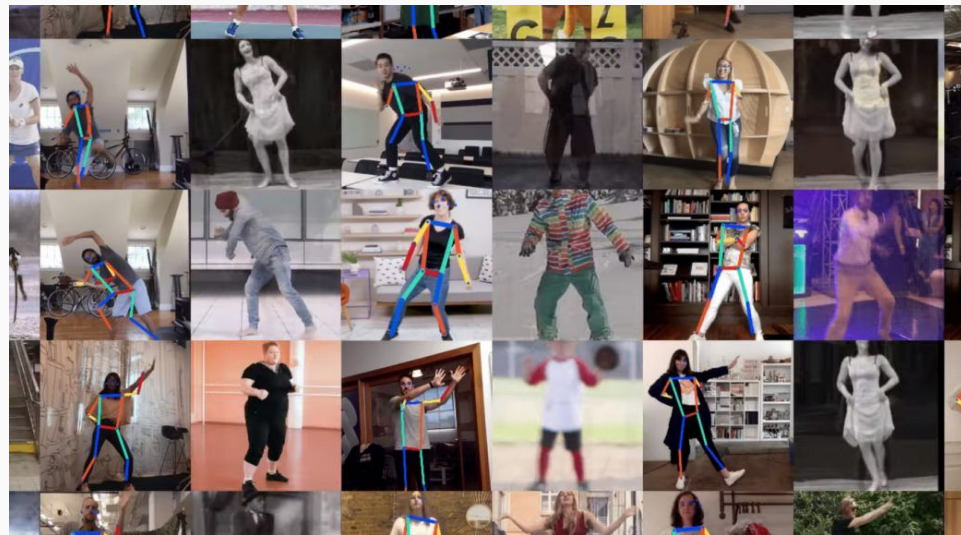
Style B: Udnie (Young American Girl, The Dance), 1913 – Francis Picabia

PoseNet

Detect postures

Project

- A web application (web page?)
- Use Style Transfer to stylize images
- Use PoseNet to let users control the image
  - Style applied by Style Transfer
  - CSS styles

Is p5 still needed?

Maybe not.

Vanilla JavaScript + ml5.js can implement the project.

As for me, controlling HTML elements with JavaScript is more convenient than handling all the logic in a single p5 canvas.

Difficulties?

- Implement postures and gestures by myself since ml5 only provides raw data about body.
- Maybe some unforeseen problems with machine learning models.

Thanks!