SUITER

Suiter

Presents: Eli Haimov, Yosi Golubchik

Instructor: Elad Aigner-Horev

01

Contribution/project goal:

Our goal is to create an app that helps users choose a suit and see how it looks on them before buying it.

02

Introduction:

The Suiter application will allow the user to choose a suit for himself and see how it will look on him. The user will provide a front view photograph of himself and choose colors for the suit, and the application will draw the suit on top of him accordingly.

03

Methods/algorithms /Alternatives or Design Considerations:

We could have used only deep learning, or only computer vision algorithms without any deep learning.
Alternatives: Go to physical store or shop online and hope it will look good.
Design consideration: Needs to run on smartphones.

04

Selected Approach:

We chose to use both deep learning and computer vision, for different steps of the process.
Deep learning: Pose estimation, MaskRCNN
Computer Vision: Triangulation, Piecewise Affine Transformation, Blending, Grabcut

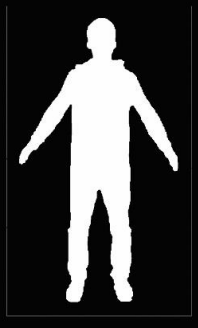
05

(a)

(b)

(c)

(d)



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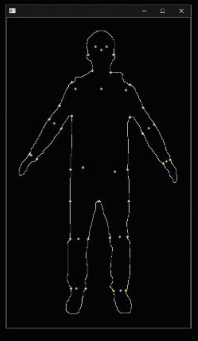

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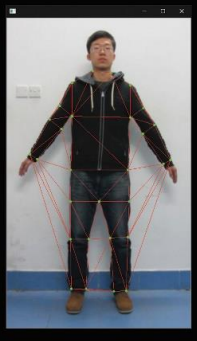

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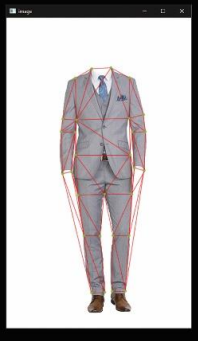

(h)

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