

Gizem Esra Unlu

PhD Student at University College London (UCL)

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[Personal Website](#)

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I am excited about sketch research, more specifically 3D understanding of human sketches. My focus is on deep learning for content creation; specifically image and sketch-based 3D reconstruction.

Publications



Interactive Sketching of Mannequin Poses

Gizem Esra Unlu, Mohamed Sayed, Gabriel Brostow

International Conference on 3D Vision (3DV) 2022

[Project Page](#), [Paper](#), [Video](#), [Bibtex](#)

Education

February 2020 -

PhD Student in Computer Vision (University College London)

Supervised by [Prof. Gabriel Brostow](#) and Dr. Iasonas Kokkinos.

September 2017 -
January 2020

MSc Computer Engineering (Bogazici University)

Thesis: "Image Deblurring from Sign Language Videos" Supervised by [Prof. Lale Akarun](#).

September 2012 - June
2017

Bachelor of Computer Engineering (Istanbul Technical University) (Double Major)

Thesis: 3D Facial Reconstruction from RGB Images. Supervised by [Prof. Hazim Ekenel](#).

September 2012 - June
2017

Bachelor of Mathematics Engineering (Istanbul Technical University)

Thesis: Filtering Techniques in Speckle Noise Reduction. Supervised by [Dr. Burcu Tunga](#).

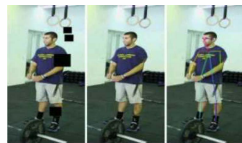
Work Experience

2014-2016,
Istanbul

Mercedes-Benz Istanbul, IT Intern

Worked for IT SAP&Rollout Services

Other Projects



ECCV 2018 Looking at People Satellite Workshop Challenge

Image Completion Competition 1st place

Publication: [Person Inpainting with Generative Adversarial Networks](#).

Teaching

University College London Machine Vision TA - 2020, 2021, 2022

Bogazici University Computer Vision TA - 2019

Skills

Languages Python, C++, MATLAB, Java/Javascript

Deep Learning Libraries Pytorch(primary), Tensorflow

Useful Tools Blender, Adobe Illustrator, Adobe After Effects