

# Gizem Esra Unlu

PhD Student at University College London (UCL)

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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) - GPA:3.63/4.0*

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) - GPA:3.23/4.0*

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

September 2012 - June  
2017

### *Bachelor of Mathematics Engineering (Istanbul Technical University) - GPA:3.52/4.0*

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

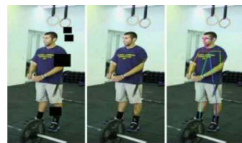
## Work Experience

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