

# Gizem Esra Unlu

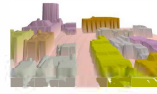
[Resume](#) / [Google Scholar](#) / [GitHub](#) / [LinkedIn](#) / [Email](#)

Hi! I am Gizem Unlu, a final year PhD student at University College London (UCL) in the Computer Science Department. I am supervised by [Prof. Gabriel Brostow](#).

I am excited about data-driven and interactive research for creating deep-learning based tools for humans. My focus is on 3D reconstruction and modeling and generative models; I am currently working on 3D diffusion for scene reconstruction.



## Publications



### *Rapid Sketch-Based 3D City Modeling*

**Gizem Esra Unlu**, Yulia Gryaditskaya, and Gabriel Brostow  
Under-Review

[Paper\(Coming Soon\)](#), [Video\(Coming Soon\)](#),



### *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 -  
continuing

### *PhD Student in Computer Vision (University College London)*

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

September 2017 -

### *MSc Computer Engineering (Bogazici University)*

January 2020

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

September 2012 -

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

June 2017

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

September 2012 -

### *Bachelor of Mathematics Engineering (Istanbul Technical University)*

June 2017

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

## Work Experience

2014-2016,  
Istanbul

### *Mercedes-Benz Turkey, IT Intern*

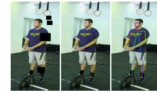
Worked for IT SAP&Rollout Services

## Awards

October 2023 -  
June 2024

PhD Enrichment Scheme Placement award

*The Alan Turing Institute*



### *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, 2023

*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

Template borrowed from [Mohamed Sayed](#).