

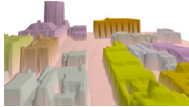
Gizem Esra Unlu

[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

Work in Progress (will be submitted in Jan 24.)



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 -
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 Turkey, IT Intern

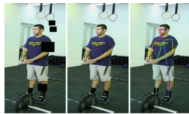
Worked for IT SAP&Rollout Services

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