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 - MSc Computer Engineering (Bogazici University)

January 2020 Thesis: "Image Deblurring from Sign Language Videos" Supervised by Prof. Lale Akarun.

September 2012 - June Bachelor of Computer Engineering (Istanbul Technical University) (Double Major)

2017 Thesis: 3D Facial Reconstruction from RGB Images. Supervised by Prof. Hazim Ekenel.

September 2012 - June Bachelor of Mathematics Engineering (Istanbul Technical University)

2017 Thesis: Filtering Techniques in Speckle Noise Reduction, Supervised by Dr. Burcu Tunga.

Work Experience

2014-2016, Mercedes-Benz Istanbul, IT Intern

Istanbul 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 Machine Vision TA - 2020, 2021, 2022

London

Bogazici University Computer Vision TA - 2019

Skills

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

Deep Learning Pytorch(primary), Tensorflow

Libraries

Useful Tools Blender, Adobe Illustrator, Adobe After Effects