

# Cagri Gungor

PH.D. STUDENT · COMPUTER VISION RESEARCHER

5501 Sennott Square, 210 South Bouquet Street, Pittsburgh, PA 15213

☎ (+1) 412-925-8651 | ✉ [cagri.gungor@pitt.edu](mailto:cagri.gungor@pitt.edu) | 🌐 [cagrigungor](#) | 📺 [mcagrigungor](#) | 🏠 [Homepage](#)

## Research Interests

Multimodality, Weakly-supervised Object Detection, Vision and Language, Sound, Depth, Generative Adversarial Networks, Affective Computing

## Education

### University of Pittsburgh

Pittsburgh, United States

PH.D. IN INTELLIGENT SYSTEMS PROGRAM - COMPUTER VISION - GPA: 3.9

Aug 2021 - Present

- Advised by Prof. Adriana Kovashka

### Bilkent University

Ankara, Turkey

B.S. IN COMPUTER SCIENCE AND ENGINEERING - GPA: 3.3 | TOP %10 IN CLASS

Sept. 2016 - Jun 2021

- Received full merit scholarship which is given to the students having exceptional success in the university entrance exam.

## Research Experience

### University of Pittsburgh (Computer Vision Group)

Pittsburgh, United States

GRADUATE STUDENT RESEARCHER

Aug 2021 - Present

- Working on multimodality (sound, text, depth, motion) for weakly supervised object detection.

### Bilkent University

Ankara, Turkey

UNDERGRADUATE RESEARCH ASSISTANT AND INTERN

Oct 2019 - Aug 2020

- Worked on audio-visual emotion recognition by assessing the effect of end-to-end multimodality and temporal/modality level attentions in video analysis under the supervision of Prof. Hamdi Dibeklioglu.

## Professional Experience

### Lenovo

Chicago, United States

RESEARCH INTERN (PH.D.)

Summer 2022

- Conducted research with Lenovo research team on low-light image enhancement and image blurring including automatic data annotation/collection and algorithm design for use on Motorola (a Lenovo company) phones.

### 3DUniversum

Amsterdam, Netherlands

RESEARCH INTERN

Summer 2020

- Conducted research on visual emotion manipulation in the videos.
- Developed generative adversarial network to both manipulate emotion in 3D reconstructed faces and turning them into original frames.
- Worked on lips-sync problem adding audio modality to the GAN pipeline to enhance consistency between frames.

### OPLOG Operasyonal Logistics

Ankara, Turkey

DATA SCIENCE INTERN

Summer 2019

- Worked on an autonomous delivery robot project with AI team.
- Worked on Image Processing and Computer Vision projects (e.g., obstacle detection, Qr code angle calculation, Qr code decoding, semantic segmentation for Qr Code, etc.) using OpenCV, Keras, Tensorflow in Python.

## Publications

### Complementary cues from audio help combat noise in weakly-supervised object detection

Cagri Gungor and Adriana Kovashka

Accepted to 2023 IEEE/CVF Winter Conference on Applications of Computer Vision - WACV 2023 [Paper]

## Skills

**Programming Languages:** Python, Matlab/Octave, C/C++, Java, SQL

**Libraries / Packages:** PyTorch, TensorFlow, OpenCV, scikit-learn, NumPy, SciPy, pandas, spaCy