

# Selahaddin HONI

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001honi.github.io

## ABOUT

His career goal is to be a research scientist in computer vision field. He has improved the programming skills for machine/deep learning while progressing his bachelor thesis study which mainly focuses on object detection and tracking. The projects he has accomplished so far can be accessed via his GitHub repositories.

## EDUCATION

### Istanbul Technical University

Master • Telecommunications Engineering

Istanbul, Turkey

Planned to start in Spring, 2022

### KAIST — Korea Advanced Institute of Science and Technology

Master • Exchange Student in Electrical Engineering

Daejeon, Korea, Republic of

Spring, 2022 ~ Fall, 2022

### Istanbul Technical University

Bachelor • Electronics & Communication Engineering • GPA: 3.52 / 4.00

Istanbul, Turkey

Spring, 2017 ~ Present

**Advisor:** Prof. Bilge Günsel

**Thesis:** Visual person tracking by detection

**Taken Graduate Courses:** Statistical Signal Processing • Statistical Pattern Analysis & Classif • Digital Video Processing

## EXPERIENCE

### Research Volunteer in Istanbul Technical University

#### Multimedia Signal Processing and Pattern Recognition Research Group

He works on person re-identification for visual object tracking purpose.

Istanbul, Turkey

August, 2021 ~ Present

### Intern in TUBITAK BILGEM

#### Communication & Signal Processing Lab.

An end-to-end communication channel for a simplified control model was designed on GNU Radio environment. Physical, data link, network and transport layers were constructed and basic modulations were implemented on LimeSDR hardware. At the end, designed communication system was demonstrated to the president of the institute in the final presentation.

Kocaeli, Turkey

27 days in Summer, 2020

### Intern in HAVELSAN Inc.

#### Big Data & Artificial Intelligence Section

An introduction project to computer vision which is classification of static hand figures was performed. Custom dataset was generated to train the model and application was supported by a real-time interface. Then, it was evolved into a touchless design for automats with a motivation of innovative ideas competition; awarded with 3<sup>rd</sup> prize after it is presented to the management team of the company.

Ankara, Turkey

20 days in Summer, 2020

### Intern in BAYKAR Technologies

#### Control Simulation & Embedded Software Dept.

A platform for translation between embedded C and C# languages has been coded. The project having web interface has deployed on the department server to serve to colleagues.

Istanbul, Turkey

60 days in Summer, 2019

## HONORS & AWARDS

### Undergraduate Student Assistant

Machine Learning for Signal Processing • EHB328 • Fall 2021

Istanbul Technical University, 2021

### Innovative Idea & Design Award, #3<sup>rd</sup>

A touchless design for automats thanks to computer vision

HAVELSAN Internship Project Contest, 2020

### Fighter UAV, Multirotor Category, Mention Award, #1<sup>st</sup>

Communications of UAV & Ground Control Station & Main Server

TEKNOFEST, 2019