# Selahaddin HONI

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## ABOUT

Introduces himself as a computer vision researcher. Currently, he studies on object detection and tracking for his senior thesis work. The projects he has accomplished so far can be accessed via his GitHub repositories.

## EDUCATION

**KAIST — Korea Advanced Institute of Science and Technology**                         Daejeon, Korea, Republic of
Master · Electrical Engineering (Exchange Student)                                            Spring, 2022 ~ Fall, 2022

**Istanbul Technical University**                                                                             Istanbul, Turkey
Bachelor · Electronics & Communication Engineering · GPA: 3.52 / 4.00                      Spring, 2017 ~ Present
**Thesis:** Bayesian filtering for real-time object tracking (in progress)
**Thesis Advisor:** Prof. Dr. Bilge Gunsel
**Taken Graduate Courses:** Statistical Signal Processing · Statistical Pattern Analysis & Classif · Digital Video Processing

## EXPERIENCE

**Research Volunteer in Istanbul Technical University**                                          Istanbul, Turkey
**Multimedia Signal Processing and Pattern Recognition Research Group**            August, 2021 ~ Present
He works on similarity learning for person tracking by detection.

**Intern in TUBITAK BILGEM**                                                                              Kocaeli, Turkey
**Communication & Signal Processing Lab.**                                                      27 days in Summer, 2020
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.

**Intern in HAVELSAN Inc.**                                                                                  Ankara, Turkey
**Big Data & Artificial Intelligence Section**                                                   20 days in Summer, 2020
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 3rd prize after presented to the management team of the company.

**Intern in BAYKAR Technologies**                                                                        Istanbul, Turkey
**Control Simulation & Embedded Software Dept.**                                          60 days in Summer, 2019
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.

## HONORS & AWARDS

**Innovative Idea & Design Award, #3rd**                                     HAVELSAN Internship Project Contest, 2020
A touchless design for automats thanks to computer vision
**Fighter UAV, Multirotor Category, Mention Award, #1st**                                            TEKNOFEST, 2019
Communications of UAV & Ground Control Station & Main Server