

Selahaddin HONI

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001honi.github.io

ABOUT

Introduce himself as an undergraduate researcher in the fields of signal processing and machine learning. Currently, he studies on real-time object tracking via particle filters combined with deep detection networks as thesis work.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)
Exchange Student

Daejeon, Korea, Republic of
(Postponed-to) Fall, 2021

Istanbul Technical University
B.Sc. Senior, Electronics & Communication Engineering
GPA: 3.42 out of 4.00

Istanbul, Turkey
Spring, 2017 ~ Present

Taken graduate courses:

- TEL520 Digital Video Processing

Thesis: Bayesian filtering for real-time object tracking (in progress)

Thesis Advisor: Prof. Dr. Bilge Günsel Kalyoncu

EXPERIENCE

Intern
Communication & Signal Processing Lab.

Designed an end-to-end communication channel for servo control in GNU-Radio environment.

TUBITAK BILGEM, Kocaeli, Turkey
27 days in Summer, 2020

Intern
Big Data & Artificial Intelligence Section

Developed a deep learning project for classification of static hand figures.

HAVELSAN Inc., Ankara, Turkey
20 days in Summer, 2020

Intern
Control Simulation & Embedded Software Dept.

Coded a platform for translation between embedded C and C# languages.

BAYKAR Inc., Istanbul, Turkey
60 days in Summer, 2019

AWARDS

Innovative Idea & Design Award, #3rd
A touchless design for automats thanks to AI and computer vision

HAVELSAN Internship Project Contest, 2020

Fighting Drones, Multicopter Category, Mention Award, #1st
Communications of Drone & Ground Control Station & Main Server

TEKNOFEST, 2019

OTHER PROJECTS

Computer Vision Studies
Learning steps for classification, detection, segmentation and tracking

Check out GitHub page for details.

Voice Conversion by using CycleGAN

It is aimed to transfer the trained voice style of a famous person to given input voice.

LANGUAGE

English
Score: 85 out of 100

Istanbul Technical University SFL English Proficiency Test
January, 2020

Turkish
Native Language