Selahaddin HONI

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ABOUT

Introduces himself as a researcher in pattern recognition and machine intelligence division. Currently, he studies on real time object tracking via particle filters combined with deep detection networks as thesis work.

EDUCATION

KAIST — Korea Advanced Institute of Science and Technology Daejeon, Korea, Republic of
Exchange Student (Postponed-to) Fall, 2021

Istanbul Technical University Istanbul, Turkey
B.S. Senior, Electronics & Communication Engineering Spring, 2017 ~ Present
GPA: 3.42 out of 4.00

Taken graduate courses:
- TEL520 Digital Video Processing

Thesis: Bayesian filtering for real-time object tracking (in progress)
Thesis Advisor: Prof. Dr. Bilge Gunsel Kalyoncu

EXPERIENCE

Intern TUBITAK BILGEM, Kocaeli, Turkey
Communication & Signal Processing Lab. 27 days in Summer, 2020
Designed an end-to-end communication channel for servo control. Basic modulation methods were implemented on LimeSDR hardware over GNU Radio environment. Physical, data link, network and transport layers were constructed for a simplified control model. At the end, designed communication system was demonstrated to the president of the institute in the final presentation.

Intern HAVELSAN Inc., Ankara, Turkey
Big Data & Artificial Intelligence Section 20 days in Summer, 2020
Developed a deep learning project for classification of static hand figures. The dataset was generated via custom application. Also, the project was visualized with 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 BAYKAR Inc., Istanbul, Turkey
Control Simulation & Embedded Software Dept. 60 days in Summer, 2019
Coded a platform for translation between embedded C and C# languages. The project having web interface has deployed on the department server to serve to colleagues.

AWARDS

Innovative Idea & Design Award, #3rd HAVELSAN Internship Project Contest, 2020
A touchless design for automats thanks to AI and computer vision

Fighting Drones, Multirotor Category, Mention Award, #1st TEKNOFEST, 2019
Communications of Drone & Ground Control Station & Main Server

OTHER PROJECTS

Introduction to Computer Vision Check out GitHub page for details.
Learning steps for classification, detection, segmentation and tracking

Voice Conversion by using CycleGAN
It is aimed to transfer the trained voice style of a famous person to given input voice.

LANGUAGE

English Istanbul Technical University SFL English Proficiency Test
Score: 85 out of 100 January, 2020
Turkish
Native Language