Selahaddin HONI / 호니

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EDUCATION

KAIST — Korea Advanced Institute of Science and Technology — Daejeon, Republic of Korea
Master • Exchange Student — Spring, 2022 ~ Present
Completed Courses: Deep Learning • Computer Vision • Digital Image Processing

Istanbul Technical University — Istanbul, Turkey
Master • Telecommunications Engineering — Spring, 2022 ~ Present

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Istanbul Technical University — Istanbul, Turkey
Bachelor • Electronics & Communications Engineering • GPA: 3.54 / 4.00 — Spring, 2017 ~ Fall, 2021
Advisor: Prof. Bilge Gunsel
Thesis: Long-term person tracking via deep learning
Completed Courses (Grad): 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
A novel visual object tracking inference architecture that employs re-identification features for data association was proposed for long-term videos. The tracker yielded comparable performance with state-of-the-art in Visual Object Tracking – Long Term 2021 benchmark in the scope of person tracking.

Intern in TUBITAK BILGEM (Sci. & Tech. Research Council of Turkiye) — 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 it is 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.

HONOR

Undergraduate Student Assistant — Istanbul Technical University, 2021
Machine Learning for Signal Processing • EHB328 • Fall 2021