



Onur Selim KILIÇ

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📍 Ankara, Turkey

Research Interests

- Machine Learning
- Theory of Machine Learning
- Machine Vision
- Deep Learning

Education

10/2022 – Present	Ph.D. in Electrical and Electronics Engineering <i>Specialization Area: Signal Processing</i>	<i>Middle East Technical Uni. EEE</i> 🔗
10/2020 – 08/2022	M.S. in Electrical and Electronics Engineering <i>Thesis: Utilization of Event-based Cameras for Video Frame Interpolation CGPA: 3.93/4.00</i>	<i>Middle East Technical Uni. EEE</i> 🔗
10/2017 – 07/2021	B.S. in Mathematics (Double Major) <i>CGPA: 3.61 / 4.00 Graduated as a High Honor Student</i>	<i>Middle East Technical Uni. MATH</i> 🔗
10/2016 – 07/2020	B.S. in Electrical and Electronics Engineering <i>Specialization Area: Signal Processing and Communications CGPA: 3.67 / 4.00 Graduated as a High Honor Student</i>	<i>Middle East Technical Uni. EEE</i> 🔗




Publications

09/2022	E-VFIA : Event-Based Video Frame Interpolation with Attention Author(s): Onur Selim Kiliç , Ahmet Akman and A. Aydın Alatan Submitted to IEEE International Conference on Robotics and Automation 2023 (ICRA 2023)	<i>Paper</i> 🔗
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Work Experience

11/2020 – Present	Research Assistant <i>Worked as a research assistant in the METU Electrical and Electronics Engineering. Helped students while they are conducting experiments or gathering and analyzing data in the context of their lectures. Attended exams as proctor, read and graded reports and quizzes.</i>	<i>Middle East Technical Uni. EEE</i> 🔗
09/2020 – Present	Scientific Project Specialist <i>Designed and developed a cognitive real-time camera system to enhance face recognition quality in a project granted by The Republic of Turkey Presidency of Defense Industries. Face detection, object tracking, and background subtraction algorithms were utilized within the project's scope using different camera models of 🔗 HiSilicon. Using C++, these embedded systems are designed to give feedback through their pipelines utilizing a multi-threaded procedure. Generated and managed testing processes and observed the success of the proposed method under various challenging scenarios.</i>	<i>METU Center for Image Analysis</i> 🔗
07/2019 – 09/2019	Intern <i>Proposed and developed an object detection and segmentation algorithm which was based on the algorithms 🔗 Mask R-CNN and 🔗 ResUNET using Python.</i>	<i>HAVELSAN, Turkey</i> 🔗
07/2018 – 09/2018	Intern <i>Designed and developed a baseline pedestrian detection algorithm using 🔗 Support Vector Machines (SVM) together with a graphical user interface for wide-area surveillance using MATLAB.</i>	<i>ESEN System, Turkey</i> 🔗

Teaching Experience

03/2022 – 07/2022	EE214-Electronic Circuits Laboratory Assisted students while they were experimenting with electronic circuits. Prepared experiment manuals and end-term exams, read and evaluated experiment reports. Graded students by asking verbal questions during the experiments.	Middle East Technical Uni. EEE-EE214 
09/2021 – 02/2022	EE213-Electrical Circuits Laboratory Assisted students while they were experimenting with electrical circuits. Prepared experiment manuals and end-term exams, read and evaluated experiment reports. Graded students by asking verbal questions during the experiments.	Middle East Technical Uni. EEE-EE213 
03/2021 – 07/2021	EE306-Signals and System 2 Worked as a coordinator assistant. Prepared, graded and gave feedback to quizzes of the students. Helped them by conducting question&answer sessions.	Middle East Technical Uni. EEE-EE306 

Honors and Awards

2020	Bülent Kerim Altay Award An award given to students who has 4.0 GPA.	Bülent Kerim Altay Awards Website 
2016 – 2020	High Honor Student Semester high honor student 5 times. A title given to students with a GPA greater than 3.5.	METU Rules and Regulations Article-28 
2017 – 2021	Tübitak Scholarship Tübitak scholarship for double major students.	Tübitak 2205-Scholarship Program 

Certificates & Other Skills

Certificates: TOEFL iBT 106/120 (10/2021-10/2023)

Simulation & Design: LT Spice, Quartus II, Verilog

Utilities: \LaTeX (Experienced), Git (Experienced), Microsoft Office applications (Experienced), Ubuntu (Experienced)

Languages

Natural: Turkish (Native Speaker), English (Advanced), German (Elementary)

Formal: Python, MATLAB, C++, C

Hobbies & Other Interests

Photography, Skiing, Playing Chess, Mountain Biking

References

Prof. Dr. Aydın ALATAN , Electrical and Electronics Engineering Department, Middle East Technical University
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Prof. Dr. Ahmet Oğuz AKYÜZ , Computer Engineering Department, Middle East Technical University
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Assoc. Prof. Elif VURAL , Electrical and Electronics Engineering Department, Middle East Technical University
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Assoc. Prof. Baver OKUTMUŞTUR , Mathematics Department, Middle East Technical University
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