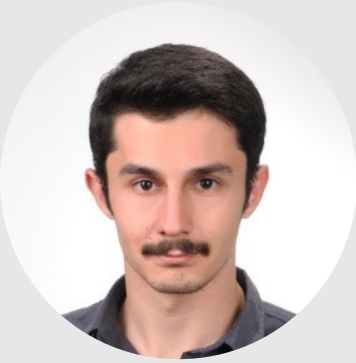

Ali Demir

Mechatronics Engineer

28 June 1991

Pendik/Istanbul

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Skills

English (YDS: 86.25)

Matlab - Simulink

OpenCV

TensorFlow

ROS

Python

Machine Learning & Deep Learning

Linux

LabView

Arduino

Embedded C

C

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

References available upon request.

summary

He is currently working on different ADAS projects. He is very curious about SOTA deep learning techniques and their applications on different areas, and mostly knows about CNN (convolutional neural network) and RL (Reinforcement Learning) architectures in the domain of classification and object detection. He also knows about main problems can be met during training this networks and SOTA solutions for this problems. He is open to offers from different areas and very eager to learn new things.

education

Since 2015 **M.Sc. Student in Mechatronics Engineering** Istanbul Technical University
Current GPA: 3.50/4.00, Courses Completed
Thesis in progress and it is focused on Deep Reinforcement Learning

2009 - 2014 **B.Sc. in Mechatronics Engineering** Okan University
GPA: 3.35/4.00, Honors Degree
Ranked as 4th Most Successful in his class
Student Representative of Electrics and Electronics Department in University Congress from 2010 to 2012

2012 - 2013 **B.Sc. in Mechatronics Engineering** Opole University of Technology
GPA: 3.96/4.00
As an Exchange Student with Erasmus Program

publications

2017 **"Cooperative Adaptive Cruise Control Using Visible Light Communication", IEEE Signal Processing and Communications Applications Conference, 2017, Antalya, Turkey.**

2016 **"Design and Experimental Validation of a Low Cost Autonomous Vehicle Testbed", AAT Conference, 2016, Istanbul, Turkey.**

experience

09/2016 - **Progin Bilisim** Istanbul
Development of **Computer Vision Aided Lane Departure Warning System** (LDWS) for Semi Autonomous Vehicles (Tubitak, Project No: 7151056). (Completed)
Development of **Vehicle Platooning System with V2V Communication** (Completed)
Development of **Neural Network based E - Horizon System** for Commercial Vehicles

2014 - 2016 **GDS Muhendislik ARGE** Istanbul
Algorithm Side of Ship Main Engine Systems Simulation Project (TUBITAK - 1507)
Development of Medical Training Equipment (Ministry of Science, Industry and Technology)

2014 **TOFAS (Fiat - Chrysler Automobiles)** Bursa
Development of Production Quality Control System via Image Processing
- Programming and Software Development via LabView
- Reducing Negative Light Effects on the Image Processing

AUTORECON (EU 7th FP Project)
- As an Assistant Field Engineer
- Industrial Six Axis Robot Programming (Comau C4G and C5G)

2014 **Mekar Lab. at Okan University** Istanbul
Studying on Radar Sensors to be used for "Adaptive Cruise Control" systems of cars which also was his Graduation project.