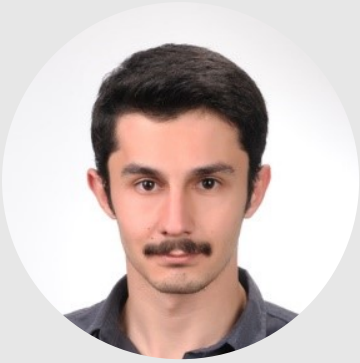

Ali Demir

Mechatronics Engineer

28 June 1991

Pendik/Istanbul

+90 533 526 27 29

alidemir1.github.io

a.dmr45@gmail.com

Skills

English (YDS: 83.75)

Matlab - Simulink

OpenCV(C++)

TensorFlow

Python (Numpy)

Linux

LabView

Arduino

Embedded C

C

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

References available upon request.

education

Since 2015 **M.Sc. Student in Mechatronics Engineering** Istanbul Technical University
Current GPA: 3.50/4.00, Courses Completed, Thesis in progress

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

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

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

awards

2009 - 2016 **Turkish Government Scholarship (which covers all the tuition fees of Private University)**

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)
Currently Working On *Vehicle Platooning System with V2V Communication*(Tubitak, Project No: 1140087).

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
- 3D Mechanical Design for Installation of the System on Production Line

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

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.
- Object Detection
- Creating Algorithm for data Acquisition from Radar sensor
- Communication between sensor and MicroAutoBox via CanBus