



Ali Demir

Mechatronics Engineer

- 28 June 1991
- Pendik/Istanbul
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Skills

English (YDS: 83.75)

LabView

Matlab - Simulink

OpenCV(C++)

Embedded C

C

Python

Arduino

Autodesk Inventor

MicroAutoBox

ControlDesk

dSpace

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

education

- Since 2015 **M.Sc. Student in Mechatronics Engineering** Istanbul Technical University
Current GPA: 3.42/4.00
- 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.
- 2017 "Cooperative Adaptive Cruise Control Using Visible Light Communication", SIU Conference, 2017. (Accepted)

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*.
Currently Working On *Platooning Controller Design and Implementation*.
- 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

other information

References

Available Upon Request