Ali Demir

Mechatronics Engineer

- 28 June 1991
- Pendik/Istanbul
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- Linkedin Profile
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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 (See it here.)**

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 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
	Robo-Partner (EU 7th FP Project)
	  • Layout Drawing

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

Avaliable Upon Request