



MELİS KEŞEN

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İstanbul, Turkey

Skills

- Simulink/MatLab
- C/C++
- Python, Image Processing, Deep Learning
- KNIME, Data Science
- Javascript, React, Nodejs
- Full Stack Development
- Jira, Confluence

Languages

Turkish:

English:

German:

Volunteer Experiences

Editor/ Translator, Defence-Turk | July 2020 - January 2021

- Translating international news about the defense industry as a volunteer.

Content Writer, Öğrenci Kariyeri | April 2020 - September 2020

- Writing contents about topics that interest me as a volunteer.

Work Experience

- ◆ **Software Engineer**
Turkish Aerospace, İstanbul/Turkey | June 2022 - Present
- Software design engineering in UAV department
- ◆ **Assistant Engineer**
Turkish Aerospace, İstanbul/Turkey | June 2021 - 2022
- Software engineering in avionic department
- ◆ **Project Student**
BSH Home Appliances Group, Tekirdağ/Turkey | October 2020 - June 2021
- Big data project in plastic injection machines
- ◆ **Intern**
Hatko Electronics, İstanbul/Turkey | August 2019 - September 2019
- Designed a machine part and made 2D & 3D drawing by using Solidworks

Education

- ◆ **İstanbul Technical University, Computer Engineering | İstanbul, Turkey | 2022-Present**
Master's Degree
- ◆ **Yıldız Technical University, Mechatronics Engineering | İstanbul, Turkey | 2016 - 2021**
3.44/4, 2nd degree in the department
- ◆ **ERASMUS+ University of Erlangen-Nuremberg, Mechanical Engineering | Erlangen, Germany | 2020**
Canceled due to Covid-19
- ◆ **Dede Korkut Anatolian High School | İstanbul, Turkey | 2011-2015**
85.22/100

Certificates

- **iTEP B2 Certificate, May 2021**
4.3/5.5
- **Data Science Orientation, August 2020**
Have a good understanding of why data science, artificial intelligence (AI), and machine learning. (Issued by Coursera)
- **Effective Presentation Techniques, June 2020**
Learned how to make an effective presentation during a week and succeeded in the exam at the end of the lessons from İstanbul İşletme Enstitüsü.
- **C Programming Language Certificate, November 2018**
C & System Programmers Association (160 hours)
- **Introduction to Programming Certificate, August 2018**
C & System Programmers Association

Interests & Activities

- **Interests**

- Cooking
- Sculpture
- Workshops
- Writing

- **Activites**

- Data Science Club in BSH Home Appliances (2021)
 - YTU Machine Faculty Volleyball Team (2018)
 - Mountaineering Club (2018)
 - Robotics and Automation Club (2017)
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References

- Associate Professor at Yıldız Technical University Mechatronics Engineering Department
Aydın Yeşildirek
aydin.yesildirek@gmail.com

Projects & Publication

- **Journal of Applied Mechatronics Engineering and Intelligent Systems MEKON, October 2021**

Analysis, Modeling And Control of Drivers Behaviour In Semi-Self Driving Cars

- **TÜBİTAK 2242 University Students Research Project Competition, 1st place, September 2021**

Analysis, Modeling And Control of Drivers Behaviour In Semi-Self Driving Cars

- **Analysis, Modeling And Control of Drivers Behaviour In Semi-Self Driving Cars, October 2020 - September 2021**

Graduation project in mechatronics engineering. The goal is to design and implement an supervisor controller system where existing driver support systems are insufficient and not produced in the market.

- **Boeing 747 Altitude Dynamics Emulator, December 2019**

Modelling the altitude control of an aircraft autopilot in a nonlinear system by realizing the electrical emulator of a dynamic system. I took the responsibility of designing and simulating the system in SimScape/Simulink and implementing on a bread-board an active analog electrical circuit. (100/100)

- **Prepaid Card Payment System by using RFID and PIC16F877A, November 2019**

A system that similar to the card reader system used in buses. And I took the responsibility of designing PCB circuits on the Easyeda program.

- **Microrobot Motion Control in Liquid Media, September 2019**

Publication 21. Automatic Control Turkish National Committee TOK 2019

- **Increasing Lateral Forces of Microrobot Using Passive Diamagnetic Levitation, September 2019**

Publication 21. Automatic Control Turkish National Committee TOK 2019
Best oral presentation 2nd prize

- **Wireless EMG Device Design, May 2019**

Design a real-time Electromyography measuring device using amplifiers and Arduino and send signals through Bluetooth for visualization of data/signal on Matlab. I took the responsibility of developing an electronic circuit and wiring. (100/100)
