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:

Work Experience

Software Engineer
Turkish Aerospace, İstanbul/Turkey | June 2022 - Present
- Software design engineering in UAV department

Asisstant 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

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.

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)

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

- **IIncreasing 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)