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Ankara

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Ali Azak

GitHub: aliazak6

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EDUCATION

Bachelor of Electrical and Electronical Engineering

09/19 - 08/23 (expected)

TOBB University of Economics and Technology

GPA : 3.65/4.00

ALES - Quantitative : 97.20/100.00

ranked 159 out of 104.964 applicants

YDS : 90.00/100.00

A level proficiency

Elective courses: Machine Learning, Computer Architecture, Computer Networks, System Programming,

Computer Vision, Pottery

Bachelor's Thesis: Designed a control system using Raspberry Pi Zero and OpenCV, and stabilized ball and plate system.

WORK EXPERIENCE

Engineering Intern

09/21 - 01/22

Havelsan

Ankara

- Worked and experienced a VTOL UAV's inner dynamics, test procedures and project development parts. Participated in field tests and assembling processes.
- Developed object detection system with a stereo depth camera and collected the depth information of the scene .
- Implemented and worked on neural networks, created my own custom dataset and used transfer learning on a pre-trained network with my dataset.
- Had experience with robot operating frameworks, linux operating systems, and developed a basic understanding on development processes.

Undergrad Research Intern

04/22 - 01/23

TOBB ETU Kasirga Research Group

Ankara

- Designed UART peripheral module for Teknofest 2022 processor.
- Read papers on computer architecture and gained experience on both evaluating and presenting them.
- Worked on in-house cycle level accurate Risc-V processor simulation using modern C++.
- Worked on parallel programming paradigms and API's OpenMP, CUDA etc.
- Worked as teaching assistant on Digital Design and Computer Architecture courses.

SKILLS

Programming Python, C, C++, CUDA, OpenMP, Git, Tcl, Shell

Hardware Design Verilog, OpenLane

Machine Learning Scikit, Pytorch, Tensorflow, OpenCV

Communication Turkish (native), English (business), German (beginner)

EXTRA CURRICULAR ACTIVITIES

ETU EGT Board Member

09/22 - 08/23 (expected)

@etuegt

Ankara

- Organized weekly movie showings.
- Organized live concert screenings every semester. Beatles, Pink Floyd etc.

letterboxd.com/aliazak