Ali Azak

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EDUCATION

Bachelor of Electrical and Electronical Engineering   **09/19 - 08/23 (expected)**
TOBB University of Economics and Technology

GPA : 3.56/4.00
ALES - Quantitative : 97.20/100.00   ranked 159 out of 104.964 applicants
YDS : 90.00/100.00   A level proficiency
IELTS Academic: Overall 7.5 – Reading 8.5 - Listening 8.5 - Speakinig 6.5 - Writing 6.5
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 on a VTOL UAV's inner dynamics, test procedures and project development parts. Participated in field tests and assembling processes.
- Developed an object detection system with a stereo depth camera and collected the depth information of the scene .
- Implemented and worked on convolutional neural networks, created my own custom dataset and used transfer learning on a pre-trained network with my dataset.
- Worked on 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 a 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.   letterboxd.com/aliazak
- Organized live concert screenings every semester. (Beatles, Pink Floyd etc.)