

Irfan Yucesan

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EXPERIENCE

ASELSAN

Electronics Warfare Hardware Test Design Engineering Intern | Aug 2024 – Current | Ankara, Turkey

- Working on PLL with LMX2572EVM board.

ROKETSAN

Electrical Hardware Design Engineering Intern | Jun – Jul 2024 | Ankara, Turkey

- Worked on Navigation Systems as an Hardware Engineering Intern for 4 weeks.
- Researched on fiber-optic and ring laser gyroscopes.
- Designed different types of oscillators and simulated the circuits on LTspice.
- Used Altium Designer to implement the oscillator circuits on PCB and soldered the pieces.

KONE

Project Engineering Intern | Jul – Aug 2023 | Istanbul, Turkey

- Worked in the CSE Department
- Utilized AutoCAD extensively to contribute to the design and planning of elevator projects.
- Successfully completed 60+ projects within a 30 days, demonstrating strong work efficiency.
- Gained valuable hands-on experience in the elevator industry.

forNS

Team Member, Embedded Systems Programmer | Aug – Sep 2023 | Ankara, Turkey

- Finalist in “TEKNOFEST Ankara 2023 Deneyap Card Roboleague” competition in which over 2000+ teams joined.
- Worked on search and rescue vehicle as a team.
- Responsible for ensuring that the vehicle was capable of securely holding and maneuvering various components.

PROJECTS

VGA Pong Game

Final Project for the Digital Design course | Jan 2023

- Used CMOD-A7 FPGA board to display a bouncing ball at 60Hz with 640x480 resolution on the edges of the screen and the paddle - able to control the paddle using the buttons.

SKILLS

Embedded Software | FPGA, Verilog, STM32, ARM, Digital Design
Miscellaneous | AutoCAD, KiCAD, Embedded Systems, Microcontroller Architecture, PLC, S7-1200

Programming | C/C++, Python, Assembly Language, MATLAB, Java, JavaScript, jQuery, React, Django, HTML/CSS

Tools | Eclipse IDE, Visual Studio Code, Vivado, Vitis, Quartus, LTspice, TIA Portal, Altium Designer

EDUCATION

MARMARA UNIVERSITY

Electrical-Electronics Engineering
(English) Sep 2020 – Current | Istanbul, Turkey (4th year)

- Took part in Defense Industry Summit 2023 and Artificial Intelligence Summit 2023

POZNAN UNIVERSITY OF TECHNOLOGY

Automatic Control and Robotics
Oct 2023 – Jun 2024 | Poznan, Poland

- Through ERASMUS+ Program
- Funded by EU

RELATED COURSEWORK

- Digital Design
- Microprocessor Systems
- Linear Algebra
- Digital Signal Processing
- Object-Oriented Programming
- Signals and Systems
- Probability and Random Variables

LANGUAGES

- English | B2
- German | A2
- Turkish | Native

INTERESTS

- Working out
- Travelling
- Food