



İrfan Yücesan

📍 Pendik, İstanbul 📞 +90 538 246 19 19 📧 irfanyucesann@gmail.com 🔗 <https://irfanyucesan.github.io/> 📅 03.04.2002

Experience	ASELSAN	Aug - Sept 2024
	Electrical Warfare Hardware Test Design Engineering Intern	Ankara
	<ul style="list-style-type: none">• Worked with TM4C129 microcontroller to control LMX2572EVM PLL board via SPI communication.• Created a Windows Form application to send data to PLL boards registers through TCP.	
	ROKETSAN	June - July 2024
	Electrical Hardware Design Engineering Intern	Ankara
	<ul style="list-style-type: none">• Researched about different types of gyroscopes such as FOG and RLG.• Designed different types of oscillators and simulated the circuits on LTspice.• Used Altium Designer to implement the oscillator circuits on PCB and soldered the components.	
	KONE Elevators & Escalators	July - Aug 2023
	Project Engineering Intern	Istanbul
	<ul style="list-style-type: none">• Worked in the CSE Department• Successfully completed 60+ projects within 30 days in AutoCAD, demonstrating strong work efficiency.	

Education	Marmara University	Sep 2020 – Current (4th year)
	Bachelor's Degree	Electrical-Electronics Engineering (English)
	3.00/ 100 (Honor Student)	
	Poznan University of Technology	Nov 2023 - June 2024
	Erasmus Exchange Program - Funded	Electrical-Electronics Engineering

Projects	Precise Full-Body Tracking and Indoor Positioning using Ultra-Wideband Sensors	Nov 2024 - Current
	<ul style="list-style-type: none">• Developing a high-precision indoor tracking system using UWB and IMU data fusion to achieve accurate positioning.• Designing and testing system architecture to evaluate performance in terms of accuracy, cost, and complexity compared to other positioning systems.	
	TEKNOFEST Air Defense Systems Competition	December 2024 - Current
	<ul style="list-style-type: none">• Working on creating the interface for the air defense system using C#.	
	TEKNOFEST Ankara 2023 Deneyap Card Roboleague Competition	Aug – Sep 2023
	<ul style="list-style-type: none">• Finalist in “TEKNOFEST Ankara 2023 Deneyap Card Roboleague competition in which over 2000+ teams joined.• Worked on search and rescue vehicle as a team.	

Skills	Embedded Software	Programming	Tools
	Verilog, STM32, ARM, Digital Design, FPGA	C/C++, C#, Python, Assembly Language, MATLAB, Java, JavaScript	Eclipse IDE, Visual Studio Code, Vivado, Vitis, Quartus, LTspice, TIA Portal, Altium Designer