

Oğuzhan Oğuz

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Education

09/2016 – 06/2020	Bornova Anatolian High School, İzmir, Türkiye	High School Diploma GPA: 94.11/100
08/2020 – 06/2025	Middle East Technical University, Ankara, Türkiye	Bachelor of Science in Electrical–Electronics Engineering GPA: 3.57/4
08/2025 – Present	KTH Royal Institute of Technology, Stockholm, Sweden	Master of Science in Information and Network Engineering

Work Experience

07/2024 – 08/2024	National Magnetic Resonance Research Center, Ankara, Türkiye	Undergraduate Research Internship Conducted research with Prof. Ergin Atalar on jitter effects; performed MATLAB-based studies and mathematical modeling, followed by comprehensive reporting. Report: LinkedIn Report
01/2025 – 02/2025	DEICO Engineering Inc., Ankara, Türkiye	Test Engineering Internship Developed C# control and test interfaces for communication-protocol devices; wrote detailed reports. Report: LinkedIn Report

Projects

Period	Project Name	Details and Links
Fall 2023	Integrated Analog Micro-Air Conditioner	EE313 Analog Electronics Laboratory Links: GitHub LinkedIn
Spring 2024	FPGA Implementation of Isometric Shooter Game	EE314 Digital Electronics Link: LinkedIn
Fall 2024	Frequency-Hopping Spread Spectrum (FHSS) Transmitter and Receiver	EE430 Digital Signal Processing Link: LinkedIn
Fall 2024	Signal Classification with Deep Learning	EE435 Communications I Link: LinkedIn
Jan 2025	Oscilloscope & Waveform Generator Control Interface and Test Application	Developed using C#. GitHub Repository
Oct 2024 – May 2025	Inside-Out Tracking Sensor Suite	Graduation project. Poster: LinkedIn Poster Video: YouTube Video

Languages

Language	Proficiency
Turkish	Native
English	Listening (C1), Reading (C1), Writing (B2), Spoken Production (B2), Spoken Interaction (B2)

Exam Results

Exam	Details
IELTS	Overall: 7/9 (Listening: 8, Reading: 7, Writing: 6, Speaking: 6.5)
GRE	Verbal Reasoning: 141/170, Quantitative Reasoning: 169/170, Analytical Writing: 3.0/6
Türkiye University Entrance Exam	Mathematics-Science Score: 532.94/560 (Ranked 2171 of 1.5M+)

Hobbies and Interests

Hobby/Interest	Details
Blockchain	Active in researching and testing new projects. Node runner for several blockchain technologies.
Free Diving	Member of METU Sub-Aqua Sports Club since February 2022
Chess	Amateur rated chess player
Literature	Read over 300 fiction/non-fiction books in the past three years.