

ÖMER SAİD ÖZTÜRK

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Maltepe/Istanbul/Turkey

EDUCATION

Istanbul Atatürk High School of Science

High school degree

Istanbul / Turkey

Sabanci University

cGPA: 3:88/4:00

High-Honor Scholarship: Scholarship meets the 100% of the tuition fee and provides a monthly stipend

BSc. Electronics Engineering

Expected graduation: June 2023

BSc. Computer Science

Expected graduation: June 2024

Istanbul / Turkey

2018-Present

EXPERIENCE

Turkish Technology Team Foundation

Instructor & Mentor

Istanbul/Turkey

June 2019 - January 2022

Mentor

Mentor of Artnox Robotic unmanned aerial vehicle team.

January 2021 - January 2022

Internet of things (IoT) Instructor

Taught high-school and middle-school students networking & developing IoT applications using Raspberry Pi

November 2019 - February 2020

Artificial Intelligence Instructor

Taught high-school and middle-school students machine learning algorithms & artificial neural networks.

September 2019 - January 2020

Developed computer vision classification applications.

Cybersecurity Instructor

Taught high-school and middle-school students basics of the offensive cybersecurity.

June 2019 - September 2019

Sabanci University

Learning Assistant

Istanbul / Turkey

Fall 2021-2022

Helped students who designed and built a buck converter circuit.

Baykar Defense

Embedded Programming Intern

Istanbul / Turkey

July 2020 - September 2020

Developed code standardization plugin for STM32 CubeIDE and Code Composer Studio.

Wrote Python library for inter-hardware communication over SSH.

EXTRACURRICULAR EXPERIENCE

SUCYBER

Co-founder & President

Sabanci University cybersecurity club

September 2021 - Present

Provided, introduction to intermediate level cybersecurity workshops in the following topics: Introduction to Linux, Web application pen-testing, Reverse engineering, Network security, and Cryptography

Organized SUCTF'21 and miniCTF'21, the jeopardy style CTF competitions, among Sabanci University students

Sabanci Motorsport Technologies

Sabanci University Formula Student team

Powertrain Department Leader

June 2021 - Present

Lead the design and production process of high voltage accumulator, motor control system CANbus traffic with five teammates

Electronics Department Member

July 2020 - June 2021

Designed the PCBs; made microcontroller applications

CyberSUquad

Founder & Leader

Sabanci University cybersecurity team

February 2020 - Present

Gives cybersecurity workshops

Conducts research about cybersecurity under the mentorship of Dr. Orçun Çetin

Participates in national CTF competitions as the university team

Sabanci University IEEE Student Branch

Communications Society Leader

June 2020 - June 2021

Gave microcontroller programming & PCB designing workshops

Held meetings with the professionals from the sector about the topics: communications & cybersecurity

Board Member

June 2019 - June 2020

SKILLS

Programming	C/ C++ · Java · Go · Python · C# · x86 Assembly · Microcontrollers (with C/C++)
Circuit design tools	Eagle PCB · Proteus · Cadence (IHP 130nm technology) · LTspice
Soft skills	Leadership · Teamwork · Project management · Organization · Presentation
Other	Binary & mobile application reverse engineering · Cryptography · Web application pen-testing

PROJECTS

Physiological signal processing and classification of tasks	Fall 2020-2021
Created an ANN using python that takes fNIRS signal as input and outputs task prediction	
CANbus communication line for the formula student car	2020
Constructed the CANbus communication line using STM32F103C8T6 as the MCU	
Customizable dot-matrix display	2019
AVR based 10 x 14 custom design display	
Reads the display character information from an EEPROM with I ² C protocol	
Used XC8 as the compiler, Proteus for simulation, Eagle for PCB design	
Elevator fan control unit	Designed - 2017 — Commercially produced - 2019
Used PIC12F508 as microcontroller	
Wrote the MCU code and designed PCB	

SELECTED COURSEWORK

Analog Integrated Circuits	EE 303
Designed an operational amplifier with its schematic and layout using Cadence	
Logic and Digital System Design	CS 303
Wrote an VHDL code for a combination lock	
Electronic Circuit Implementations	EE 200
Built an AM radio receiver	
Built a function generator that generates square wave, triangular wave and sinus wave in desired frequencies	
Civic Involvement Projects	CIP 101
Made voluntary activities with mentally disabled high-school students	

AWARDS & ACHIEVEMENTS

YKS(University Entrance Exam) 2018 — Numerical Section	913 th
Istanbul Science Olympics (ISBO) 2017 — Computer Science Category	Bronze Medal

REFERENCES

Available upon request