

PERSONAL

Name, SURNAME: **Kağan Özasan**
Date / Place of Birth: 07.07.1995 / Bursa, Turkey
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EDUCATION

2013-present **Bachelor of Science in Electrical and Electronic Engineering,**
Middle East Technical University, Ankara, Turkey
Currently 4th grade - (CGPA: 3.20 / 4.0)

2009-2013 **High School Diploma,**
Bursa Science High School, Bursa, Turkey

WORK EXPERIENCE / INTERNSHIPS

Red Pine Software (İzmir, Turkey 07.2018 – 09.2018)

- Embedded Software Engineering Long Term Intern – Embedded software development for ADAS (Advanced Driving Assistance Systems).

Vemus Industrial Electronics (Bursa, Turkey 08.2017 – 09.2017)

- Embedded System Engineering Intern – Microcontroller(PIC) programming in C language on MPLAB IDE and PCB design.

Robert BOSCH GmbH (Bursa, Turkey 07.2016 – 08.2016)

- Electrical Engineering Intern – Maintenance planning of production lines and investigating manufacturing methods.

EXPERTISE & SKILLS

Language

English - Advanced
Chinese - Beginner

Digital Competence

Programming Languages:

-C language
-Assembly

Softwares:

-Keil uVision
-MPLAB IDE
-LTSpice
-MATLAB
-Proteus ISIS

Hardware:

-TM4C123 MCU

-ARM Cortex M4
-TDA2x SoC
-PIC

PROJECTS

Camera Based Surround View System and Object Detection Project (Red Pine Software, 2018)

- Domestic ADAS project for TUBITAK on TI TDA2x SoC in C language. Controlling environmental cameras (5 pcs) on the car and configure them to use for driving assistance on driving modes.

Voice Recorder and Player with ARM Cortex M4 uProcessor (Grd:10/10, METU, 2018)

- Term project of 'Microprocessors Course' done with TM4C123 MCU in Assembly on Keil uVision IDE.

Various PIC uC projects on MPLAB IDE and PCB design on DipTrace (Vemus Electronics, 2017)

- Electronic 12 key-lock keypad control, P temperature controlled oven, shift register and MUX implementation with PIC for various projects.

"EXPO360 Online Fair Platform" (METU BIZ, 2017)

- Being a finalist in the "Glokal Start-Up Days Entrepreneurship Competition" as the founder of project

Coin Counter with Image Processing by FPGA written in Verilog (METU, 2017)

Wireless Heating Control System (METU, 2017)

Remote Controlled Vehicle (METU, 2016)

Analog Parking Lot Access Control System (METU, 2015)

SOCIAL ACTIVITIES and COURSES

METU Marine and Sailing Club

Sailor (2014 - present)

- Two Golden Cups in Marmaris CampusCup and Urla Universities Sailing Races.

METU Confucius Institute

Participant at Chinese Bridge Summer Camp: Xiamen University (China, 2017, 50-hrs)

- Understanding Chinese language and culture and having a perspective of living in China.

BEST (Board of European Student of Technology)

Participant at Nano Technology Investigations: University of Aveiro (Portugal, 2015, 32-hrs)

- Concepts and practical aspects related with Nanotechnology and Nanoscience.

Participant at Renewable Energy Investments: University of Liege (Belgium, 2014, 30-hrs)

- The smart grid, global grid and new business opportunities in renewable energy.