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PERSONAL DETAILS

Date of birth

08.12.1990

Marital status

Married

EDUCATION

Master's Degree

Ege University
2023

- Electronics Department
- GPA: 3,61 - 4 / Formal Education

Bachelor

Omer Halisdemir
University
2015

- Electrical-Electronics Department
- GPA: 3,25 - 4 / Formal Education %30 English

Associate of Science

Ege University
2010

- Electronic Communications
- GPA: 82,14 - 100 / Formal Education

High school diploma

Süleyman Taştekin AML.
2008

- Industrial Electronics
- GPA: 74.06 - 100

Ümit GÜLER

ELECTRICAL-ELECTRONICS ENGINEER (MSC)

ABOUT ME

Combining the practical skills I acquired during vocational high school with the theoretical knowledge in engineering education was a significant advantage at the beginning of my career. In addition, I specialized in IoT systems for refrigerators in my Master's studies. I have been involved in the development of numerous projects in the field of embedded systems for approximately 10 years. I have also been working as a HW & SW Development Executive in R&D department at the Öztaş Global Cooling nowadays. I would like to utilize my skills and experience as well as my passion. Moreover, I aim to continue with the excitement of the first day and to contribute more with my professional colleagues for the rest of my life.

WORK EXPERIENCE

Hardware and Software Development Executive

Öztaş Global Soğutma Teknolojileri / Manisa / Aug 2020 - Present

- Circuit design by using EasyPc and KiCad.
- Software development in C and C++ language using Atollic and Keil program
- Interface design (HMI) with C # and C using Visual Studio IDE and Nxtion program
- Projects developed with Uart, SPI, SDIO, USB, Canbus, Modbus and I2C peripherals
- Web API design, SQL Database design, MQTT protocol usage within the scope of IoT Projects
- Management of EMC and LVD test processes and preparations for software validation
- Ultra Low Freezer (-86°C) Project for Covid-19 BionTech Vaccines
- Domestic and industrial Freeze Dryer Project
- Control of Blood Storage and Vaccine Coolers
- Coolermed (Medical brand), Greencooler (Trade brand), Vino Bellezza (Wine Coolers brand), Liyolife (Lyophilization Systems - Freeze Dryer brand) many projects realized
- Management of teammates in electrical, electronics and software department
- Implemented Github, Gitlab and BitBucket for version control.

R&D Engineer

Frik Electronic / İzmir / Aug 2015 - Aug 2020

- Circuit design by using EasyPc and Proteus.
- Software development in C and C++ language using Atollic and Keil program
- Interface design (HMI) with C # and C using Visual Studio IDE and Nxtion program
- Projects developed with Uart, SPI, SDIO, USB, Canbus, Modbus and I2C peripherals
- Comprehensive control of vaccine and blood cabinets, communication system, memory and energy management

SKILLS

Embedded Systems

Circuit Design

Easy-PC PCB Design

Proteus

Software Development

Atollic TrueSTUDIO

Keil MDK

STM32CubeMX

Using STM8 & STM32 Series

Back-End Development

Front-End Development

Problem-solving abilities

Leadership Experience

MATLAB & Simulink

OrCAD PSpice

PSoC Creator

Using PSoC 4 Family

Using ESP32 Family

Using TMS320 Family

Web API

- Heating, cooling and humidity control for air conditioning cabinet
- AGV (Automated Guided Vehicle) design and using in factories
- BLDC motor control project for cultivator production in agriculture
- Designing and programming of synchronous and asynchronous motor control circuits for military and civilian companies
- Built, tested and deployed scalable, highly available and modular software products.
- Worked closely with clients to establish problem specifications and system designs.
- Implemented Github, Gitlab and BitBucket for version control.

Electronic Technician

Frik Electronic / İzmir / Nov 2010 - Aug 2011

- Soldering for maintenance of products
- Performed electrical acceptance testing of completed hardware
- Monitored the manufacture of electrical devices and operations to ensure compliance with safety protocols.
- Applied principles of electrical theory to advance and improve product development and efficiency.
- Identified and solved electronic design problems, resulting in more efficient and cost-effective products.
- I left for engineering education.

Laboratory Assistant

Ege University / İzmir / Sep 2008 - Jul 2009

- Part Time Working Student
- Design and improvements of test boards
- Laboratory arrangements and preparations
- Repairs of broken electronic boards
- Supply of materials to the laboratory

INTERNSHIPS

Engineering Internship

LENZE / İzmir / Jul 2014 - Aug 2014

- Controlling system for 3-phase electric motor.
- Software development for PLC
- Assisting engineering projects for power systems.
- Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Identified and solved electronic design problems, resulting in efficient and cost-effective products.

Technical Internship

Başarı Technical Service / İzmir / Jul 2009 - Aug 2022

Internship in associate degree education

- Assisting technicians in maintenance and repair
- Developing necessary skills in customer service
- Material identification in the local warehouse

LANGUAGES

İngilizce

DRIVING LICENSE

Driving license category

Class B (Active)

HOBBIES

Graffiti, Hiking And Cooking
Different Flavors

LINKS

Personal website:

<https://umitguler.gitlab.io/>

LinkedIn:

<https://www.linkedin.com/in/umitliguler/>

Academia:

<https://gulerumit.academia.edu/>

Technical Internship

Kon-tek Automation / İzmir / Jul 2007 - Aug 2007

- Internship in vocational high school education
- Learning about engine control systems
- Assembling the power unit

COURSES

Lateral Thinking Technique

Kariyer.net / Jul 2022

Positive Management and Leadership

Kariyer.net / May 2022

Time management

Kariyer.net / Nov 2021

Advanced B2-C1*

ABA English / May 2019

C# ve Nesne Yönelimli Programlama

Vidobu / Sep 2017

HONORS AND AWARDS

Paper Presentation Certificate

Published by The Sixth International BalkanCom Conference,
Paper: Remote Monitoring and Control of Refrigerators with AES Encryption
You can take a look at the my paper published on this topic on IEEE Xplore®

Clinical Support Personnel Qualification Certificate

Published by the Turkish Ministry of Health in 2021.

Master Instructor Certificate

Published by the Ministry of Education in 2023.

EGE MUCİDİNİ ARIYOR

Published by Ege University in May 2010.
3rd Place

Honor certificate

Published by Ömer Halisdemir University in July 2015.

High Honor Certificate

İzmir / Jul 2023

Published by Ege University in July 2023

EXTRA-CURRICULAR ACTIVITIES

Volunter member

IEEE RAS / Niğde / Jul 2015

Many projects have been developed for robotics competitions.

Robotics competitor

International METU Robotics Days / Ankara / Apr 2013

Many robots were designed in the field of Mini Sumo while studying at Ege and Niğde University in 2009-2013.

Robotics competitor

ITU Robot Olympics / İstanbul / May 2010

Many robots were designed in the field of Mini Sumo while studying at Ege University in 2009-2010.

PUBLICATIONS

Remote Monitoring and Control of Refrigerators with AES Encryption

IEEE Xplore / Sep 2023