



# ÜMİT GÜLER

## Electrical and Electronics Engineer

**Address :** 509/6th Street Apt:2 Karabağlar, İzmir 35150

**Phone :** 0 538 362 14 01

**E-Mail :** [info.umitguler@gmail.com](mailto:info.umitguler@gmail.com)

**Website :** <https://umitguler.gitlab.io>  
<https://linkedin.com/in/umitliguler>

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**Date of Birth :** 08.12.1990

**Military Service :** Completed

**Marital Status :** Single

**Driving License :** B (2016)

**Language Skills :** English - Advanced

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### CAREER OBJECTIVE

I have about 5 years of experience in my profession. I would like to utilize my skills and experience as well as my passion. Moreover, I would like to work with other professionals to improve my skills as an engineer which will allow me to further contribute in the field of engineering.

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### HIGHLIGHTS

- Ability to use MS Office programs
- Software development in C and C++ by using Atollic and Keil program
- Software development in C# by using Visual Studio program
- Software development with Android Studio
- Circuit designing by using Easy-PC and Proteus programs
- Designing and programming of brushless and brushed DC motor control circuits.
- Synchronous and asynchronous motor control
- System-level electrical design and integration
- Time management
- Be open to the ideas of others
- Advanced critical thinking
- Teamwork Skills

## **EXPERIENCE**

*August 2015 to Present*

**Frik Electronic, İzmir**  
**Research Development Engineer**

- Circuit design by using EasyPc and Proteus.
- Software development in C and C++ language using Atollic and Keil program
- Designing and programming of time switching of heating-cooling systems
- Control of blood storage cabinets, memory configuration
- AGV (Automated Guided Vehicle) design and using in factories
- 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.

*June 2014 to July 2014*

**Lenze | Automation World, İzmir**  
**Summer Intern**

- 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.

*October 2010 to August 2011*

**Frik Electronic, İzmir**  
**Electronics Technician**

- 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 training.

*November 2009 to July 2010*

**Ege University, İzmir**  
**Laboratory Research Assistant**

- Carefully reviewed test results for accuracy.
- Properly calibrated and adjusted malfunctioning equipment to ensure precise test results.
- Maintained current knowledge of developments in technical instrumentation.
- Created worksheets and logged samples correctly into the computerized tracking system.

*July 2009 to August 2009*

**Başarı Technical Services**  
**Summer Intern**

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

*June 2007 to July 2007*

**Kontek Automation, İzmir**  
**Summer Intern**

- Learning about engine control systems
- Assembling the power unit
- Monitored installation and operations to consistently meet rigorous customer requirements.

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## **PROJECT EXECUTED**

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|----------------------------------|---|
| • Chef robot with auxiliary arms | (Servo motor position control, Graduation Thesis) |
| • Blood Storage Cabinet          | (STM32 series, ModBus, USB, SD Protocol)          |
| • BLDC Motor Control Units       | (Military Project, STM32 series processor)        |
| • BLDC Motor Control Units       | (STM32 series processor, CanBus Protocol)         |
| • Field Hoeing Machine Control   | (STM32 series processor, position control)        |
| • Heated-Cooling Blanket         | (Developed for KOSGEP)                            |
| • Boiler Control Cards           | (STM8 series processor, C language)               |
| • Cooler Systems Control Cards   | (STM8 series processor, C language)               |
| • Field Irrigation Systems       | (PIC series processor, C language)                |
| • AGV (Automated Guided Vehicle) | (Design and programming of all electronic cards)  |
| • Sumo and line following robots | (PIC programming in C language)                   |

## **EDUCATION**

2011 / 2015	<b>Ege University</b> MSc in Electrical-Electronics Engineering Electrical and Electronics Engineering
2011 / 2015	<b>Ömer Halisdemir University</b> Bachelor of Engineering (%30 English) Electrical and Electronics Engineering
2008 / 2010	<b>Ege University</b> Associate Degree Telecommunication
2004 / 2008	<b>İTO Vakfı Süleyman Taştekin Vocational School</b> Industrial Electronics

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## **ACCOMPLISHMENTS**

- 3rd prize at Competition of “Ege University is looking for inventors”
  - Certificate of Honor from Ömer Halisdemir University
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## **INTERESTS**

Music, paper graffiti, food art, robotics

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## **ACTIVITIES**

- International METU Robotics Days (2009-2010-2013)
  - ITU Robot Olympics (2009-2010)
  - IEEE RAS Activities
  - Aselsan Technical Trip
  - Afşin-Elbistan Thermal Power Plant Technical Trip
  - Iskenderun Thermal Power Plant Technical Trip
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## **REFERENCES**

Associate Professor Dr. Mustafa Berkant SELEK (Ege University)  
Phone: 0542 267 24 76