



ÜMIT GÜLER

Electrical and Electronics Engineer

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Date of Birth : 08.12.1990

Military Service : Completed

Marital Status : Single

Driving License : B (2016)

Language Skills : English - Advanced

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.

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.

PROJECT EXECUTED

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

ACCOMPLISHMENTS

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

INTERESTS

Music, paper graffiti, food art, robotics

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
- İskenderun Thermal Power Plant Technical Trip

REFERENCES

Associate Professor Dr. Mustafa Berkant SELEK (Ege University)
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