



# Furkan Parlak

Research and Development Engineer  
Embedded Software Engineer



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## Skills

### PCB Design Applications

KiCAD Eagle Proteus Altium

### Programming Languages

C C++ C# Python JavaScript  
MATLAB & Simulink PLC Ladder Diagram

### Other

Software Development Microcontrollers  
Embedded Software Leadership IoT  
Embedded Hardware RTOS ARM  
WiFi ESP8266 ESP32 STM32  
PIC Linux OTA Bare-Metal  
Adobe Photoshop

### Tools

GIT SVN MQTT Bitbucket

### Language

Turkish English

## References



Prof. Dr. Filiz BİRBİR ÜNAL  
Düzce University faculty of Engineering  
filizbirbir@duzce.edu.tr



Asst. Prof. Dr. Mustafa DURSUN  
Düzce University faculty of Engineering  
mustafadursun@duzce.edu.tr

Contact details will be provided if you wish.

## Education



Electrical Engineers Bachelor's degree (B.S.) 09/2017-09/2021  
Düzce University GPA:2.92

## Work Experience



Research and Development Engineer 02/2022-Present  
MK Mekanik Savunma Teknolojileri

### Achievements/Tasks

I developed the Turret Stabilization Tester, Transmission Console Tester, Position transmitter for the Leopard 2A4 Tank for the Türk Silahlı Kuvvetleri.  
KiCAD, AutoDesk EAGLE, Proteus, MC68HC912B32 Programming, STM32 HAL Lib. Programming, PIC Programming



Research and Development Engineer 07/2021-02/2022  
Savandel Mühendislik Elektronik Kontrol Sistemleri

### Achievements/Tasks

We made high speed flame detector, personal heater for FNSS and OTOKAR in with Forum Engineering. I've made PCB Design and PIC18F45K22 programming.

## Community & Volunteering



Google Developer Groups 2018 - Present  
Organizer



Düzce University Energy Community 2017 - 2020  
President



23 Nisan Elementary School 2019 - 2020  
Robotic and Coding Teacher

## Awards & Competitions



TUBITAK Efficiency Challenge 2019  
LODOS Electromobile Team ( Team Captain ) 11/93



TUBITAK Efficiency Challenge 2020  
LODOS Electromobile Team ( Team Captain ) 10/105



IEEE & Autodesk DESIGNNOW 2021  
Plant Irrigation System 1/77