



# Yunus Emre Çatalçam

## Software Developer



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## WORK EXPERIENCE

### Embedded Software Developer embdlab

1/2018 – Present

Istanbul

#### Achievements/Tasks

- Implementing the software of rf transmitter with PIC
- Implementing the software of rf Receiver with PIC
- Implementing the software of inverter motor controller with nrf52
- Implementing the software of a car motor blockade system with PIC

## PERSONAL PROJECTS

### Convolutional Neural Network Model for Video Analysis (2/2018- Present)

- Using CNNs for video content analysis

### Line Follower Robot (09/2015 - 06/2016)

- As a part of my self education in high school years; I designed and developed a line follower robot using PID algorithm. While this made me able to develop algorithms and implement for microcontrollers, also gave me a good sense about what a control system is.

### Game Development on Unity3d (6/2015 – 10/2015)

- This project gave me a sense of Object-Oriented Programming while making fun.

### Researching on efficiency of Thermoelectric Cooling on Computers (12/2013 – 04/2014)

- We especially worked on cooling the computer CPU with peltier while making some energy savings.

## EDUCATION

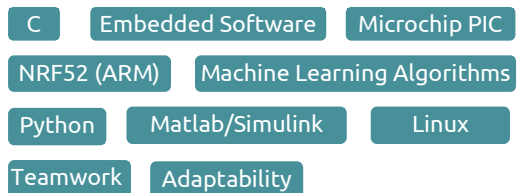
### Istanbul Technical University Control and Automation Engineering

09/2017 – Present

### Istanbul Ataturk High School of Science

09/2013 – 06/2017

## SKILLS



## ORGANIZATIONS

### Deep Learning Turkey (08/2018 – Present)

Member

### While(AFL) ,Organization Team (01/2018 – Present)

Team member

### ITU Facilis Vehicle Team (09/2017 – Present)

Electronics and Simulations Team Member

### IAFL Electric Vehicle Team (09/2015 – 06/2017)

Managing team, chassis designer

## LANGUAGES

English



## INTERESTS

