Koray GÜNAL

Electrical-Electronic Engineering

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📍 Ankara/Eskişehir ⬡ https://github.com/koraygunal

in https://www.linkedin.com/in/koraygunal/

🌐 Languages

English
Pearson Assured Organisation
● ● ● ● ○

Turkish
Mother Tongue
● ● ● ● ●

Spanish
● ● ○ ○ ○

💼 Professional Experience

Python Developer Intern,
University of Basque Country ↗
09/2022 – 12/2022 | Vitoria Gasteiz, Spain
Worked as a Python Developer on the Smart School Automation project managed by Isidro Calvo.

Engineer Intern, TRT ↗
07/2022 – 08/2022 | Ankara, Turkey

Engineer Intern, Ges Engineering ↗
07/2021 – 08/2021 | Ankara, Turkey

🏠 Organizations

AFAD, Volunteer ↗
Eskişehir, Türkiye

SASTEK, R&D Student ↗
Eskişehir, Türkiye

IEEE, Student

ROVSTECH, R&D Student

{ } Skills

Python (Pandas,Numpy,Pyqt5) C

Matlab PLC Linux Numpy

Pyqt5 Kerras TensorFlow

🎓 Education

University of Basque Country, Exchange Student
09/2022 – 12/2022 | Vitoria Gasteiz, Spain

Eskisehir Technical University, Bachelor Degree
2018 – 2022 | Eskisehir, Turkey

📁 Projects

Designing EEG Circuit
Circuit was designed in the proteus, and then the pcb card was made. A circuit is designed to place the components and reflect the brain signals to the oscilloscope.

Speech Recognition ↗
A voice recognition program was designed via matlab.

Light/Human Detector with PIR Sensor
This project; A complicated circuit consisting of various circuit elements such as opamps,diodes.This project; An automatic electronic circuit that emits light based on human movements.

High Frequency Trading Bot with using Machine Learning Algorithms ↗
This project aims to trade cryptocurrencies with high speed and reliability. It will also make the buy-sell signal thanks to a system identification based indicator.

Design 3DOF HOVER Linear Quadratic Controller
Optimized flight simulation based on performance and energy, after modeling the quadro copter.

THESIS PROJECTS ↗
Worked on a smart parking system using BLE technology.While doing this, also established communication between systems using a raspberry pi.Set up a communication between the raspberry pi and the beacon.

🎸 Interests

Basketball (Played in the Engineering Basketball Team and the amateur basketball league for 3 years.), **Formula1**, **Crypto**, **Football**