AHMET YASIR CILVEZ

Software Engineer

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📍 Malatya, TURKEY

EXPERIENCE

Full Stack Developer Internship
OpenZeka Technology

📅 02.2022-06.2022   📍 Bilkent, Ankara, Turkey

- A Stock Management System using HTML, CSS, JavaScript, Vue.js, Vuetify, Node.js, Nest.js, Prisma, and PostgreSQL was developed.
- Worked as a Frontend Developer in creating product adding, file uploading, etc. systems.
- Worked as a Backend Developer in creating endpoints, services, file saving systems.
- Worked on WebRTC to communicate between two browsers.

Hardware Engineer Internship
TUBITAK Space Technologies Research Institute

📅 08.2021-09.2021   📍 METU, Ankara, Turkey

- A high-low voltage protection circuit and its PCB design was designed using LTSpice, Altium Designer.
- A ready-made BLDC motor driver circuit scheme's PCB design was developed in Altium Designer.

Hardware Engineer Internship
Akkoc Technology

📅 07.2020-08.2020   📍 Istanbul, Turkey

- A multi-sensor card and a LED driver circuit and its PCB were developed in Proteus and KiCAD.

COMPETITION & PRIZES

Ulak Mobile Robot | 1st of Region
TUBITAK High School Project Competition

📅 2017   📍 Ankara, Turkey

- A mobile robot was developed using Arduino to scan closed areas in 3D axis with an ultrasonic distance sensor.

Ulak Mobile Robot - 1st in Category
2. Robocot Robot Competition

📅 2017   📍 Malatya, Turkey

Robot Tank - 2nd in Category
1. Robocot Robot Competition

📅 2016   📍 Malatya, Turkey

- A robot tank was designed using Makeblock robot kit to carry items.

EDUCATION

Electrical & Electronics Engineering (%100 English)
Abdullah Gül University

📅 Sept 2017 – June 2022

PROJECTS

Language Learning App
Vue.js, HTML, CSS

📅 07.2022-07.2022

- This app was created to learn English-Serbian words.
- According to monitored words, the app asked their equivalents.
- It counts the true and false answers, and shows only false ones again.

Senior Design Project - Autonomous Mini Defense Drone
Computer Vision, Python

📅 02.2021-01.2022

- The drone detected and tracked other drones and human faces.
- Yolo was used to train the drone and its autonomous algorithm was developed based on PID mechanism.

Brain Tumor Detection
MATLAB

📅 03.2021-06.2021

- All the brain MR images were prepared using image processing techniques in MATLAB.
- A machine learning algorithm was prepared based on feature extraction and SVM was used to estimate.
- 2 types of brain tumors were classified in this project.

Transformer Design
ANSYS Electronics

📅 03.2021-05.2021

- A power transformer was designed and analyzed on ANSYS Electronics.

Line Follower Robot Design
C, STM32, Arduino

📅 10.2020-02.2021

Maze Solver - 1st in Category
Robot Competition of Science and Art Centers

📅 2016   📍 Kayseri, Turkey

- A maze solver robot was designed using ultrasonic sensors, Arduino and Makeblock robot kit.

SKILLS

Vue.js   Node.js   Vuetify   JavaScript   HTML
CSS   Nest.js   Python   Altium Designer   KiCad
LTSpice   MATLAB   Proteus   Arduino
Microsoft Office

VOLUNTEERING ACTIVITIES

Chairman
IEEE AGU Student Branch

📅 09.2019-10.2020   📍 Kayseri, Turkey

Volunteer Instructor
IEEE Turkey Section

📅 10.2018-04.2020   📍 Kayseri, Turkey

Vice President
IEEE AGU Student Branch

📅 09.2018-09.2019   📍 Kayseri, Turkey

Founder Team Member
1. - 2. Electrical and Electronics Day of Kayseri

📅 10.2017-03.2019   📍 Kayseri, Turkey

REFERENCES

Prof. Dr. Bülent Yılmaz
Vice Chancellor

📍 Abdullah Gul University

- Email: bulent.yilmaz@agu.edu.tr

Prof. Dr. İrfan Alan
Vice Chancellor

📍 Abdullah Gul University

- Email: irfan.alan@agu.edu.tr

- A line follower robot was designed physically and its algorithm based on PID was developed in C programming language.

Breath Detection Sensor Design
ANSYS, Proteus, LTSpice

📅 10.2020-12.2020

- Due to human breath moisture, a capacitive effect sensor was designed at the material level and its electronic circuit was created.

AC to DC Adapter Design
Proteus, LTSpice

📅 06.2020-08.2020

- An AC to DC adapter can be used in house was developed and tested in simulation environment.

Motor Driver Card Development
Altium Designer

📅 05.2019-05.2020

- A PMSM motor driver configuration was designed in Altium Designer to join TUBITAK Efficiency Challenge.

Electrocardiography Device Development
Altium Designer, Matlab

📅 11.2019-01.2020

- An ECG device was developed from its electronic circuits to MATLAB signal processing.
- The device's PCB was designed and located in a box for portability.

Maze Solver Robot Design
Arduino, C

📅 02.2019-04.2019

- A maze solver robot was designed with all robotic requirements (IR, motors, etc.) by using Arduino and its IDE.

Intelligent Missile System Design
Lego Mindstorms

📅 10.2018-12.2018

- A prototype of the projectile motion of a missile system was designed, developed, and implemented using Lego Mindstorms set.

LANGUAGES

Turkish (Native)   ● ● ● ● ●
English (B2)   ● ● ● ● ○