Mertcan Çakır   *Full Stack Web Developer*

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in https://www.linkedin.com/in/mertcan-cakir/   ⌨ https://github.com/Thesopranos

Professional Experience

Full Stack Web Developer, **WÖMNER**

2023/08 – present

I built all the internal web systems for WÖMNER from end to end. This includes developing various automation tools such as engineering drawing automation, sales contract automation, and detailed quotation automation.
- Used Technologies: Python, Plotly.js, React, MySql, Ubuntu Server

Drone Developer, **NUTZENTECH**

2021/11 – 2022/12

I developed the autonomous flight and image processing systems for a drone designed for air quality measurement.
- Used Technologies: Python, C, MongoDB, MavSDK, ESP8266, Raspberry Pi, Pixhawk 4

Projects

Software Developer Project Scholar, **GEBZE TECHNICAL UNIVERSITY**

2022/08 – 2023/02

Intelligent Respirator Mask Project Providing High Protection Against Respiratory Threats
I developed the embedded software for the project, enabling data from sensors to be visualized through a mobile app via Bluetooth. The app allows users to switch between device modes and provides detailed analysis of respiratory data.
Tissue Hardness Meter
I developed the system for AI-powered analysis automation of a tissue hardness tester's sensors and the presentation of its outputs.
- Used Technologies: Python, Arduino, ESP32

Education

Student - **42 ECOLE**

2023/11 – present

Computer Programming - **İSTANBUL UNINVERSITY**

2024/10 – present

Programming Languages

- C
- Python
- Bash Script

Tools / Freamworks

- React.js
- MongoDB
- Plotly
- Openpyxl
- Flask
- MySql
- Python Docx
- Photoshop

Skills

- RDMBS
- Image Processing
- Data Analysis
- HTML
- Ubuntu Server
- Data Visualization
- CSS

Licenses / Certifications

- **Harvard University** - CS50 Certificate
- **NVIDIA** - Fundamentals of Deep Learning

Languages

- English
- Turkish

Hobbies

- Designing and printing custom 3D models
- Aviation
- Photography
- Microscopic life exploration