

Sencer Yücel

Residence: Ankara, Turkey

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Languages: Turkish (native), English (professional)

Work Experience

RobotEye AI

Software & Systems Engineer

February 2024 - Present

Ankara, Turkey (On-site)

- **A device named Hub was taken from the idea stage to the production level with a team of 2 people - the brochure/data sheet is available upon request.**
- Python
- Arm64 based Nvidia Jetson devices (Nano, Orin Nano, AGX Orin)
- Unix / Linux & Bash scripting & Docker, Docker Compose & Git, GitLab CI/CD
- CUDA, TensorRT, PyTorch, TensorFlow
- Databases (ORM, PostgreSQL, Redis)

TURK AI

Software Development Engineer

October 2022 - February 2024

Ankara, Turkey (On-site)

- **Many devices with different AI applications have been developed for the defense industry (from conceptualization to production, both hardware and software - more information on the details is available upon request).**
- Python, C++
- TinyML (TensorFlow Lite, OpenVINO, quantization, pruning)
- Networking (MQTT, REST APIs, SMTP, WebSockets, WebRTC, RTSP, SSH, SCP, FTP)
- Web development (Flask, Nginx, FastAPI)
- Electronics (Hands on experience with: STM32 microcontrollers (OpenMV, Arduino); SPI, UART, I2C; BLE; IMU, GPS, PIR; FLIR, OV5640, OV2640; LoRa, 4G, Satcom)

Internship Experience

TURK AI

Intern

June 2022 - October 2022

Ankara, Turkey (On-site)

- R&D on IoT systems with both edge and cloud computing
- Fundamentals of web (HTML-CSS, cookies, sessions, HTTP(S), server/client, sockets)
- Web scraping (BeautifulSoup, Selenium)
- Multimedia processing (OpenCV, PIL, FFmpeg, GStreamer, PyAudio)
- Data cleaning, preprocessing-postprocessing, visualization

Education

BSc in Computer Engineering

TED University

Sep 2019 - Jan 2024

Ankara, Turkey

- **GPA: 2.90/4.00**
- **Secondary Field in Applied Data Analytics**
- **Graduation Project:** AskAI - An educational device for children with on-premises speech-to-text (STT) and text-to-speech (TTS). Uses server-side LLM to answer children's questions.

Personal Projects

Sencer Nerede

December 2023

A system where I publicly update my own location. Written in Golang, hosted on a remote Linux server (AWS EC2).

Location Fetcher - Mail Notifier for Nginx

September 2023

A service that fetches the location of the IP address that has accessed the Nginx server and sends this information via email. Written in Python, hosted on a remote Linux server (DigitalOcean).

Ucagim Nerede

November 2022

A WhatsApp service that returns every information about a live flight.

Other

TED University - Institutional Development Office

Project Lead

September 2022 - August 2023

Ankara, Turkey (On-site)

TED University - Faculty of Engineering

Java Tutor

October 2021 - September 2022

Ankara, Turkey (On-site)

Extracurricular

A traveler, have been to almost all of Turkey's 81 provinces (76/81) with few European countries.

A guitarist with over 10 years of experience, performed on various stages.

Sports lover with a background as a licensed football goalkeeper.

References are available upon request.