

# Cihan Can Ayyıldız

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## EDUCATION

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### Gebze Technical University

*B.Sc. in Computer Engineering;*

Kocaeli, Turkey

*Sep 2016 – Jun 2022*

## WORK EXPERIENCE

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### Otak Networks

*Software Developer*

Istanbul, Turkey

*Nov 2022 – Current*

- Working on C++ deep packet inspection(DPI) project.
- Built QUIC protocol parser.
- Built GPRS tunneling protocol(GTP).
- Increased total application support by 100+
- Built code-based classification support for games, vpns, voip apps.

### Intertech Information Technology and Marketing Inc.

*Junior Software Developer*

Istanbul, Turkey

*Nov 2020 – Feb 2022*

- Built agricultural banking backend services using .NET.
- Learned agile methodology and its principles.
- Learned tfs, jenkins, jira technologies.

### NETTSI Informatics Technology

*Intern*

Istanbul, Turkey

*Aug 2020 – Sep 2020*

- Built a packet sniffer program using C++.
- Learned CMake and more C++ features.

### BAYKAR Technology

*Intern*

Istanbul, Turkey

*Jun 2019 – Aug 2019*

- Designed a program that informs the UAV with some spatial information using C++ and spatialite database(geodatabase).

## PROJECTS

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### Rsshtop | [GitHub](#) | Individual Project

- rsshtop is a remote system monitor. It connects over SSH to a remote system. Displays system metrics (CPU, disk, memory, network). rsshtop is written in Rust.

### Packet Sniffer | [GitHub](#) | Individual Project

- Packet sniffer project written in Rust lang. Supported protocols: ipv4, TCP, UDP, TLS.

### Team Dao Voting | [GitHub](#) | Individual Project

- TeamDAO voting program is a Solana smart contract written by using Anchor framework. Built for Solana blockchain bootcamp.

### Ball Bouncer | [GitHub](#) | Graduation Project

- A ping pong ball bouncer project with 5 different modules (Server app, client app, mobile app simulation, controller board (STM32F4))

### Face Emotion Detection | Graduation Project

- Implemented a emotion detection algorithm using machine learning. I collected face expressions from 6 people and trained my data on Xception CNN model.

### Image Captioning | Graduation Project

- Implemented an image captioning model using a CNN and a Transformer.

## Unix File System | University Homework

- Implemented a file system simulation that uses inodes and some other paradigms from unix.

## Operating System | University Homework

- Designed a simple operating system that simulates virtual memory and manages the main memory. The purpose here is to compare the page replacement and allocation policies.

## SKILLS

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**Programming:** C/C++, C#, Javascript, Python, Rust

**Technologies:** NodeJs, Express, React, Git, TFS, Jenkins, Jira, CMake

**Languages:** Turkish (Native), English

**Others:** Html, Css, MySQL, MongoDB, LaTeX, WireShark

## HOBBIES

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Fitness, Travelling, NFTs.