

# Emircan Çapkan

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## EDUCATION

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### BSc, Applied Computer Science

March 2024 – Present

*Hochschule für Technik und Wirtschaft Berlin, Berlin, Germany*

- I collaborate on projects with individuals from diverse cultural backgrounds, thereby enhancing my linguistic proficiency.

### BSc, Computer Engineering

September 2020 – Present

*Kadir Has University, Istanbul, Turkey*

- GPA: 3.57

## EXPERIENCE

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### Internship - Web Developer

July 2023 – September 2023

*LLC Soft*

- Creating a website via WordPress.
- Developing projects using HTML, CSS and JavaScript, and also be able to implement these languages on WordPress.
- Recognizing and creating databases.

## SKILLS & LANGUAGES

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### Computer:

C ++ (advanced)  
C (intermediate)  
Java (intermediate)  
Python (intermediate)  
MATLAB (advanced)  
HTML & CSS (advanced)  
JavaScript (beginner)  
OpenAI and API (intermediate)  
Vector databases – Chroma DB (intermediate)  
Microsoft Office Programs (advanced)

**Languages:** Turkish (Native)  
English (Fluent)  
German (Beginner)

## **PROJECTS**

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### **Java Desktop Application**

- The desktop application was developed by implementing a Local Grocer management system using JavaFX, GUI and JDBC for database interaction. The application provides different interfaces for customers, carriers, and the owner, each with specific functionalities. Users can log in, register, view, and purchase products, manage deliveries, and perform various operations based on their roles.

### **Development of an AI-Based Application**

- An artificial intelligence application facilitating expedited and simplified recruitment processes for employers by extracting user data from LinkedIn and establishing a vector database through Chroma DB.

### **Image Processing Application**

- An image processing application implemented in MATLAB facilitates the execution of various operations on an image with a specific objective. These operations include adding noise, performing edge detection, and applying spatial filtering to enhance the image.

### **Creating a Student Portal with C++ Programming Language**

- Creating software to manage the activities of individuals (students, assistants and professors) within the university.

### **Drone Circuit Design in Partnership with ASISGUARD - *asisguard.com.tr***

- Designing an important toggle switch circuit for drones used in the defense industry.

### **Railway System Design in Partnership with İDİS Yapı Merkezi - *ymidis.com.tr***

- Designing the railway system to maintain safe public transportation with the Boolean algebra method.

## **VOLUNTEER WORK**

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### **Wikimedia Commons Content Creation**

**February 2022 - June 2022**

#### **Wikimedia Foundation**

- To create an awareness to draw attention to the preservation of historical buildings in Istanbul by visiting them personally.