

## Details

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## Muhammet Abdullah Koç, Computer Science(Engineer) Student

I am a fourth-year computer science student at Bilkent University, Ankara, Turkey. Currently, I am working on Spring framework and React. In addition, I am improving myself in data science.

## Links

[Linkedin](#)

[GitHub](#)

## Employment History Software Engineer at TÜBİTAK BİLGEM İLTAREN, Ankara

March 2022 – May 2022

- Worked as part-time C++ engineer at TÜBİTAK BİLGEM İLTAREN, which is advanced technology research institute belonging to The Scientific and Technological Research Council of Turkey.
- İLTAREN carries out the tasks of establishing methods and processes related to the development and evaluation of electronic warfare techniques and tactics, and conducting scientific research in related fields of activity.
- Most of the containers were implemented as static containers using C++ to be used in future projects.
- Because of the summer internship, I quit my work.

## Software Developer at Bilkent University Software Engineering and DataAnalytics Research Group, Ankara

September 2021 – May 2022

- BILSEN at Bilkent University has been performing research studies on softwareengineering domain over the last decade.
- Worked voluntarily with Eray Tüzün, lead of BILSEN and faculty member at Bilkent University.
- Some selection menus, and their corresponding connections with backend are beingimplemented using Vue. In backend, some of functionalities are being implemented using Python (Django)
- The application is about finding smells in software development processes.
- The project will be finished in 2022.

## React Intern at NTT Data Business Solutions, Remote

June 2021 – September 2021

- 3 months internship were done in NTT Data Business Solutions.
- As final project, an e-commerce website was implemented using React. Link: <https://ntt-ecommerce-test.netlify.app/>.

## OOP Tutor at Bilkent University, Ankara

September 2020 – May 2021

- Tutorship for CS101 and CS102 (Java - OOP lectures in Bilkent University).
- Helped students for their lab assignments.

## Education

### Computer Science (B.S.), Bilkent University, Ankara, Turkey

September 2018 – June 2023

- Full comprehensive scholarship
- CGPA: 3.71
- High Honor certificates in 2019 - 2020 Fall, 2019 - 2020 Spring, 2021 - 2022 Fall and 2021-2022 Spring
- Honor certificates in 2020 - 2021 Fall and 2020 - 2021 Spring
- Ranked 769th among 2 million students in national university entrance exam

## Courses

### Patika.dev & MobileAction Java Spring Bootcamp

May 2022 – June 2022

- A 7-week comprehensive Spring bootcamp was done with Patika.dev and MobileAction. The purpose of bootcamp is to prepare us working full-time with Spring framework.
- Most of things related to Spring (Clean code, annotations, hibernate, jwt, testing, external APIs etc.) was learned.
- There are three homeworks and one final project. All of works can be seen on GitHub.
- As a result, I improved my Spring knowledge and practiced them.

## Projects

### Biosphere

December 2021 – Present

This project's aim is to construct a 72 m2 sustainable house prototype powered by automation systems. The purpose of designing such a home is to protect environment and provide automated systems. The project is advised by professors and instructors in Bilkent University.

### BinGit, Ankara

October 2021 – Present

- BinGit is a start-up with 5 people that aims to increase usage of bicycles in cities and provide an alternative transportation for citizens.
- When the project is finished, users will use the mobile app to open the lock of a bicycle and ride it.
- If the project is put into practice, we believe that the project can decrease traffic density, and people will have a healthy alternative for transportation.
- Mobile app is being developed using React Native and Firebase.

### BilBoard

September 2021 – December 2021

- Course project in Bilkent University. BilBoard is a web-based application that helps both student clubs and students. Student clubs can announce events and all details about them, and students are able to see and attend all of the events in the university. Student clubs can arrange surveys.
- Project Link: <https://github.com/abdullah-koc/Group-3A---Jack-the-Coder>
- All project steps such as requirement analysis and UML diagrams were used in this project.
- We are planning to use the application in Bilkent University.

### Syncoder

February 2022 – May 2022

- Database systems course project in Bilkent University. Syncoder is a web application that helps developers improve and challenge them, and companies make interviews and support contests.
- Project Link: <https://github.com/abdullah-koc/Coding-Platform-Project>
- Spring with jdbc was used for backend, React was used for frontend.

### E-Commerce Website

August 2021 – September 2021

This project is final project for the internship done in NTT Data Business Solutions. It is a basic e-commerce website with typical e-commerce website functionalities. Application was developed using React. Link: <https://ntt-ecommerce-test.netlify.app/>

### Calculator + Currency

July 2020 – August 2020

This android application is a basic calculator with live currencies. Users can see live currencies in 5 units and convert one into another. Application was developed using Android Studio + Java. Available on Google Play: <https://play.google.com/store/apps/details?id=com.grondstofapps.calculator>

### BilAtlas

June 2019 – September 2019

Designed for people who are not familiar with Bilkent University. It is a map application that direct routes for the specific areas and buildings in campus. Brief information about buildings and cafeterias, images from buildings are included.

## Languages



English C1



German A1



Italian A1

## Hobbies

Table tennis, Computer games, Playing electro guitar, Listening music, Watching films

## Skills

HTML/CSS/JavaScript

Java, Spring

Python, Django

OOP

Requirement Analysis

React, Vue

C, C++

SQL, MySQL, Firebase

Git, Version Control

UML, Design Patterns