

Bartu Bayazit

COMPUTER ENGINEERING STUDENT · HACETTEPE UNIVERSITY · CURRENT GPA: 3.2

Çankaya, Ankara

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Expected Graduation Date: June 2025 | English Level: Upper Intermediate - Advanced



Summary

I am currently in my third year as a student in Computer Engineering Department of Hacettepe University. I have experience in writing programs; by implementing algorithms using the necessary data structures, that work on real life scenarios. I am always willing to collaborate with others, learn and apply new skills to advance in my field. My main area of interests are full-stack development, machine learning, financial technologies, quantitative development and block-chain.

Experience

Figensoft

SOFTWARE ENGINEERING INTERN

Bilkent Cyberpark, Ankara

Jul. 10 2023 - Sep. 1 2023

- Full stack development of a two-way live messaging web application using C#, HTML, CSS and JavaScript
- Using Microsoft SignalR JavaScript client to establish real time communication between clients
- Managing the data used by the application using Microsoft SQL Server and stored procedures
- Orchestrating asynchronous processes through worker services to listen to messages published to the Rabbit Message Queue and persistently saving these messages to the MSSQL database through optimized stored procedures
- Using Docker to streamline the development, deployment, and scalability of the application by encapsulating it and its dependencies into lightweight, portable containers and maintaining communication between these containers with Docker network

Skills

Java

PROFICIENT

- Making use of object oriented programming concepts to design programs with maximum re-usability.
- Implementing and utilizing the fundamental algorithms used in the computer science field to efficiently produce solutions to problems.

C++

PROFICIENT

- Implementing various data structures and using these implementations with object oriented programming to efficiently solve problems about real world situations.

SQL

PROFICIENT

- Used Microsoft SQL Server to manage data storage and access of the two-way real-time messaging web application
- Utilized stored procedures during data access and modification steps in order to enhance performance, promote code reusability, and ensure a secure and efficient interaction with the MSSQL database
- Part of a three person group that developed an inventory management system for the use of small-to-medium size businesses. You can view the repository [here](#) as well as through my github profile, under the name tempIMS. Implemented the connection between the database and the Java application as part of the project as well as handling the relationships between database class and the other operational classes.

C#

PROFICIENT

- Back end development of a two-way real-time messaging web application using Model-View-Controller design pattern during my summer internship at Figensoft

Python

INTERMEDIATE

- Currently improving my python skills by programming in my "Fundamentals of Machine Learning Laboratory" technical elective and following related resources.
- Used Python for coding first year programming assignments.

Technical Electives

- Current Technical Electives: Fundamentals of Machine Learning - BBM406 | Fundamentals of Machine Learning Laboratory - BBM409 | Artificial Neural Networks - BBM476
- Previous Technical Electives: Software Architectures - BBM485, [here](#) you can find my report on "Maintainability Analysis of an Open Source Software Product Using the 'Goal-Question-Metric Approach'" as part of my technical elective course | Foundations of Block Chain - BBM443

