

Mahmut Furkan Gön

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Education

Bilkent University

B.S. in Computer Science

Expected graduation date: Jun. 2024

GPA: 3.12/4

Ranked as 677th in the University Entrance Exam (YKS) among 2.528.031 people.

Relevant Courses: Artificial Intelligence, Machine Learning, Database Systems, Operating Systems, Object-Oriented Software Engineering, Linear Algebra and Differential Equations

Projects

MediXAI

Sep. 2023 - Ongoing

Capstone project diagnosing mammogram images

Python, Flutter, Firebase, GitHub

- Ongoing capstone project as a group of 5 under the supervision of Prof. Selim Aksoy.
- Assessing and diagnosing mammogram images, directing results in an explainable format using XAI.

Gobooking

May. 2023

Database course project for renting

Java, ReactJS, Spring Boot, PostgreSQL, GitHub

- Web Application for home and room renting like Airbnb. Developed as a group of 5.
- Customers and homeowners can use the system to rent properties. Admins can control the system.

Bilke

Dec. 2022

Erasmus management system for the Engineering Faculty

Java, ReactJS, Spring Boot, PostgreSQL, GitHub

- Web application for Erasmus management at Bilkent University Engineering Faculty. Developed as a group of 5.
- Instructors and managers control the system; students can apply and trace the process.

Experience

Bilkent University Software Engineering and Data Analytics Research Group (BILSEN)

Jan. 2023 - Present

Undergraduate Researcher

Data Mining, Data Science, GitHub, Code Review, Process Smells

- Researching process smells (antipatterns) under the provision of Asst. Prof. Dr. Eray Tuzun.
- I'm the first author of a paper under submission to the EASE 2024 Conference.
- I regularly review the papers of other members in our lab to find any possible errors, inconsistencies, and points to improve before their submission.

Turkish Aerospace Industries (TAI)

Jul. 2023 - Aug. 2023

IT Intern

Virtualization, vCPU/vGPU

- Developed a virtual user class for education that requires vGPU among the company in the virtualization team.
- The education virtual user group is used in the company, which has 15,000 employees on 4 continents under high-security requirements.

Visover Software Technologies

Jun. 2022 - Aug. 2022

Software Engineering Intern

Jetpack Compose, Kotlin, Java, Android

- Migrated a Java widget to Kotlin in AndroVid, a widely-used app with 50M+ downloads and 3M+ active users.
- The widget lets users edit the chosen video frames by adding stickers or customizing them. It is currently in use.

Volunteering

Bilkent University Social Awareness Projects

Jan. 2021 - May. 2023

Member

- Prepared activities to improve their cognitive development for children aged 0-6 staying with their mothers in prisons.
- Mentor in the program designated for high school students who were earthquake victims.

Skills and Abilities

Natural Languages: Turkish (Native), English (CEFR Level: C1, Full-Professional Proficiency)

Programming Languages: Python, Java, C/C++, JavaScript, Kotlin, Dart

Developer Tools: Git, GitHub, Firebase

Applications: VS Code, Android Studio, IntelliJ IDEA, Microsoft Office, \LaTeX

Achievements and Certificates

• IELTS Academic English Proficiency Test Reading: 8.5/9, Listening: 7.5/9, Speaking: 6.5/9, Writing: 7.0/9, Total: 7.5/9	Nov. 2023
• Turkcell Lexathon'23 Legal Technologies Development Program Certificate	Nov. 2023
• P&G Via Plot Certificates	Aug. 2021
• Bilkent University Comprehensive Scholarship Student	Sep. 2019
• TÜBİTAK Chemistry Olympiad Achievement Certificate (National Science Olympiad) Ranked as 13 th among 5000 attendees	Aug. 2018

Hobbies and Interests

Travelling: Visited North Macedonia, Kosovo, Serbia, Montenegro, Georgia, and my homeland Turkey.
Camping: Camped in Isparta, Bolu, Bursa, Artvin of Turkey.
Sports: I like playing volleyball and football. I regularly play them and watch some matches from the tribunes.