Kemal Kubilay Yılmaz

Computer Engineer, İ.D. Bilkent University

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in kkyilmaz

Skills

Java, Python, JavaScript, C++, MIPS Assembly, Kotlin, Android Studio, Spring, Git, Scrum, Jira, CI/CD, API Integration, PostgreSQL, MySQL, ER Modeling, Query Languages, RabbitMQ, Microservice Architecture Knowledge

Experience

Vestel — İzmir, Türkiye
Internship — 08.2023 - 09.2023

Related Skills: Python, AI Model Knowledge, Fedora OS, Git, Scrum, Jira

- Implemented a proof-of-concept **text-to-image generator** using an open-source project.
- Demonstrated the feasibility of creating an AI system on a local machine.

AKBANK — İstanbul, Türkiye (Remote)
Internship — 06.2022 - 08.2022

Related Skills: Java, Kotlin, Android Studio, C++, Frida, JavaScript

- Worked in the security architecture department for 2 months.
- Designed a deterministic random number generator class for encrypting and decrypting embedded literals in **Java**.
- Utilized **JNI** to bridge Java and **C++** for determining file descriptor types on Android devices.
- Applied root detection bypassing technique using **FRIDA** penetration tool.

Bilkent University — Ankara, Türkiye
Student Guide for Prospective Students — 06.2022 - 08.2024

Related Skills: Team Leadership, Team Player, Effective Communication, Problem Solving, Time Management, Adaptability

- Took responsibility for the organization and management of several university introduction tours for high school student
- Management of more than 6 campus tours weekly, assignment of guides and places for visitors
- Responsible for education of 8 guides throughout an academic year
- Participated in several out-of-town fairs annually

Bilkent University — Ankara, Türkiye
Physics Course Grader — 02.2023 - 06.2023

- Responsible for grading General Physics 2 course quizzes of 60 students per week

Education

İ. D. Bilkent University — Ankara, Türkiye
B.Sc. in Computer Science (Engineering) — 08.2020 - 06.2024
  CGPA: 3.25 - Honor Student

Mersin Yahya Akel Science High School — Mersin, Türkiye
  CGPA: 95.34 / 100

Projects

CapyNotes (AI-based Note Generation Tool) 09.2023 - 05.2024
Related Skills: Python, API Integration, AI Model Knowledge, ER Modeling, Scrum, Jira, Git, PostgreSQL, Query Languages, RabbitMQ, Microservice Architecture Knowledge

- Took a part in the design of ER Model of the project

- Designed and implemented **summarization** and **keyword extraction** service of the project utilizing different AI models and **Gemini API** integration.

- Implemented messaging queue services among 4 microservices of the project utilizing **RabbitMQ**.

OutLink (Social Media for Professionals) 02.2023 - 06.2023
Related Skills: Java, Spring, Query Languages, PostgreSQL

- Created queries based on the need for a career social media application

- Designed controllers, models and services of many features such as job advertisement, job application and profile editing in Spring framework.

BEAM (Bilkent Erasmus Application Manager) 09.2022 - 12.2022
Related Skills: Java, Spring, Query Languages, MySQL

- Designed controllers, models and services for profile page viewing and approval requests for different Erasmus application forms and form reviewing processes in the application

- Designed automatic **pdf generator** for 2 application forms integrated with a digital signature utilizing **iText** Java PDF library

Questyard 02.2021 - 05.2021
Related Skills: Java, MySQL

- Responsible for database and backend connection in a desktop application of an educative game.

Extracurricular Activities

- **Student Council representative** of computer science students at Bilkent University for 2023-2024 academic year.

- Social Awareness Projects at Bilkent University

    - Project manager of Volunteer Education Project
    - Active member of Railway Line Support Project

- **Former board member** at Classical Turkish Music Society at Bilkent University

- **Founder board member** of Bilkent Natural Disasters Club

Hobbies

- **Singing:** Amateur singer in Italian Opera, and traditional Turkish music.

- **Squash:** Beginner level player

- **Skateboarding:** Beginner level skater

- **Swimming:** Active amateur swimmer