

# Osman Yiğit Uygun

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## Skills

**Programming Languages:** Java (OOP, Collections, JDBC API), JavaScript (DOM manipulation, async/await), C, PL/SQL

**Frameworks:** Express.js, Tailwind CSS

**Tools:** Maven, Flyway, Git & GitHub, Oracle SQL Developer, MySQL Workbench, Linux, Docker (basic)

## Education

**İhsan Doğramacı Bilkent University, Ankara**

Sept 2024 - June 2028

**B.S., Information Systems and Technologies, CGPA: 3.90/4.00**

- Software Engineering focused - *Coursework:* Data Structures & Algorithms; Discrete & Technical Maths; Object Oriented Programming, Analysis and Design; DBMS; Linux Fundamentals; Computer Networks; Backend and Frontend Development

**Metropolia University of Applied Sciences, Helsinki**

Aug 2025 - Aug 2025

**ICT Summer School**

- Coursework:* Understanding Game Backend; Introduction to Machine Learning
- Completed all courses, broadening my technical perspective in backend side of game development, design processes, and machine learning.

**Darüşşafaka High School, Istanbul**

Sept 2016 - June 2024

**Valedictorian in High School, GPA: 97.03/100**

- Graduated as the top student in high school, developing strong discipline, time management, and broad academic knowledge.
- Selected for the TUM.ai Makeathon hosted by the Technical University of Munich; collaborated in an international team of four, enhancing cross-cultural communication and technical problem-solving skills.

## Experience

**Google AI & Technology Academy, Online**

Dec 2025 - Present

**AI Trainee**

- Selected as a scholar in the Yapay Zeka ve Teknoloji Akademisi - AI Track, an 8-month program covering LLMs, FastAPI, version control systems, and project management, including P2P learning sessions, bootcamps and hackathons.

**İhsan Doğramacı Bilkent University, Ankara**

Oct 2025 - Present

**Undergraduate Teaching Assistant**

- Assisted students during lab sessions for Introduction to Programming with C (CTIS 151) in Fall semester.
- Instructing and aiding students during lab sessions for Data Structures & Algorithms (CTIS 152) in Spring semester, strengthening my foundation in programming, teaching and communication skills.

**Freelance, Hybrid**

Aug 2024 - Present

**Private Tutor**

- Tutoring and mentoring high school and university students in mathematics, science, and programming courses such as C and Python across different universities. Serving as a tutor for university-level courses in collaboration with Pi-Course, an Ankara-based educational organization.

## Project Work

- AROS Loot Shop (2025):** Designed a **UML class diagram** and implemented an in-game loot shop system using **Java** and **Swing**, applying OOP principles, collections, and modular design. Followed **MVC-based architecture** to separate game logic, user interface, and user input. Collaborated in a team environment using Git/GitHub.
- Simple TODO App (2025):** Implemented a CRUD-based backend TODO application using **Java** and **JDBC API** with a file-based **H2 database**. Implemented persistent storage and manual **SQL** queries through a simple DAO layer.
- Personal Portfolio Website (2025):** Built a responsive portfolio website using **JavaScript** with **Next.js**, **React** and **Tailwind CSS**. Deployed on Vercel with custom domain. Applied component-based architecture, SEO basics and Git-based version control.
- Tile-Clicking Game (2025):** Developed an interactive browser-based game using **HTML**, **CSS**, and **JavaScript**, focusing on gameplay mechanics, user interaction, and UI design. Implemented game logic, event handling, and dynamic DOM updates.
- AI-Based Garbage Detection (2023):** Developed an AI-based program to classify garbage containers as empty or dirty using **YOLOv3** and **OpenCV**. Created custom datasets (manual + Kaggle). **Ranked 2nd** among 50+ high schools in MEF AI Competition.

## Awards and Certificates

- Amazon University Engagement Program 2025 – SDE Track – Frontend, Backend, DevOps
- 2<sup>nd</sup> in MEF High School Artificial Intelligence Competition
- Foundations of Project Management, Google Coursera