OĞULCAN ZORBA

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EDUCATION

Computer Science Engineering, Acıbadem University   2022-Present
Current GPA: 3.67

PROJECTS

Docker AI Tutor Python, Streamlit, Docker, Redis, PostgreSQL, Celery, Ollama   [GitHub]

- Built an AI-powered platform with Streamlit and Ollama's Gemma3:1b for quizzes and PDF summarization.
- Used Docker to integrate Redis, PostgreSQL, and Celery for efficient task and data management.

Mini OS Simulation Python, Tkinter   [GitHub]

- Developed a game console-themed OS simulation with process management and Tkinter GUI.
- Managed project phases using GitHub Issues for effective documentation and testing.

C Sharp OOP Exercises C Sharp, .NET   [GitHub]

- Developed a console-based Bank Account and Library Management System using C Sharp and .NET, implementing OOP concepts like inheritance, encapsulation, and polymorphism.

One Word Mood Ruby on Rails, SQLite, Giphy API   [GitHub]

- Built a minimalist social media platform for single-word mood posts with Giphy API integration.
- Used Devise for secure authentication and real-time data processing for posts.

BOB - Movie Rating Website Django, PostgreSQL, JavaScript   [GitHub]

- Developed a web app for movie ratings, comments, and personalized recommendations.
- Integrated YouTube video parser and optimized PostgreSQL database schema.

Portfolio Webpage ReactJS, Vite, TailwindCSS   [GitHub]

- ogulcanzorba.netlify.app
- Built a responsive personal portfolio showcasing projects and skills using TailwindCSS.

ARTICLES

IWIS 2025 Kernel Based Analysis of Impedance Spectroscopy in a Quartz Crystal Microbalance Biosensor   [PDF]

WORK HISTORY

IT Specialist Acıbadem Healthcare Group, Istanbul   July 2024 - August 2024

Data Analyst Intern BioSFM Lab, Istanbul   March 2025 - Present

Software Engineer Intern Acıbadem Technology, Istanbul   June 2025 - August 2025

SKILLS

Languages	Python, C Sharp, Ruby, HTML, CSS, JavaScript, SQL
Frameworks	React, Bootstrap, Django, .NET, TensorFlow, Rails, Streamlit
Tools	Git, Docker, TravisCI, GitLab, AWS, Celery, Redis, NetworkX, Tkinter, Ollama
Databases	PostgreSQL, SQLite, Redis
Soft Skills	Strong Work Ethic, Teamwork, Adaptive Learner, Problem-Solving, Leadership, Analytical Thinking, Complex Network Analysis