

Omer Sabri Emeksiz

Website | omeremksz@gmail.com | LinkedIn | GitHub

EDUCATION

Koç University

Master of Science in Computer Science and Engineering

GPA: 3.88/4.00

Istanbul, Turkey

October 2024 – June 2026 (Expected)

Marmara University

Bachelor of Science in Electrical Electronic Engineering - Honor

GPA: 3.33/4.00

Istanbul, Turkey

September 2021 – June 2024

PUBLICATIONS

- Ö. S. Emeksiz, E. Maşazade, S. Selim, “[AI-Driven Optimization of the Filling Process: A Comparison of Reinforcement Learning Methods](#)”, IEEE 33rd Signal Processing and Communications Applications Conference (SIU), 2025
- Ö. S. Emeksiz, E. Erzin, Y. Yemez, T. M. Sezgin, “[A Convolutional Transformer Model for EEG-Driven Cybersickness Detection in VR Experience](#)”, IEEE 33rd Signal Processing and Communications Applications Conference (SIU), 2025
- Ö. S. Emeksiz, M. E. Ağcabay, E. Maşazade, S. Selim, T. Boysan, “[A Reinforcement Learning Model for Industrial Filling Process Control](#)”, IEEE 30th International Conference on Electronics, Circuits and Systems (ICECS), 2023

WORK EXPERIENCE

KUIS AI Center, Koç University

AI Researcher

Istanbul, Turkey

October 2024 – Present

- Conducting research on EEG-based brain-computer interfaces, deep learning, and computer vision to enable real-time prediction and mitigate cybersickness in VR, under the supervision of [Prof. Metin Sezgin](#), [Prof. Yücel Yemez](#), and [Prof. Engin Erzin](#); active member of the [IUI Lab](#) and [MVGL Lab](#).

Baykon Industrial Weighing Systems

Embedded Machine Learning Engineer

Istanbul, Turkey

February 2024 - October 2024

- Development of a Reinforcement Learning-based embedded industrial filling system ([TUBITAK-1501](#)).

TUBITAK

Engineer Intern

Istanbul, Turkey

August 2023 - September 2023

- Developed continuous time TCP/IP communication application using C# and data extraction tool using Python.

Open Business Software Solutions (OBSS)

Software Engineer Intern

Istanbul, Turkey

July 2023 - August 2023

- Developed an full-stack enterprise level [Human Resources Job Postings and Applications Management System](#) web application by using Java, Spring Boot for backend and ReactJS, MUI for frontend.
- Used LDAP and LinkedIn API with Spring Security and JWT for authentication and authorization.
- Managed project with Apache Maven and utilized Hibernate, Spring Data JPA and MySQL for database.

Marmara University

Undergraduate Research Assistant (Machine Learning/Artificial Intelligence)

Istanbul, Turkey

December 2022 - June 2024

- Researched Machine Learning/Artificial Intelligence under [Prof. Engin Maşazade](#). Developed a Reinforcement Learning-based industrial filling system ([TUBITAK-1501](#)) for [BAYKON INC.](#).

Kalem Software

Software Engineer Intern

Istanbul, Turkey

August 2022 - September 2022

- Developed backend for two B2B client web apps: [File Organizer](#) for comprehensive file storage and management, and [Material Waybill Organizer](#) for efficient materials organization by using Java and Spring/Spring Boot.
- Managed project with Apache Maven and utilized Hibernate, Spring Data JPA and MySQL for database.

