

# Omer Sabri Emeksiz

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## EDUCATION

### Koç University

Master of Science in Computer Science and Engineering

Istanbul, Turkey

October 2024 – June 2026 (Expected)

### Marmara University

Bachelor of Science in Electrical Electronic Engineering - Honor

Istanbul, Turkey

September 2021 – June 2024

## PUBLICATIONS

### A Reinforcement Learning Model for Industrial Filling Process Control

Istanbul, Turkey

Emeksiz Ö. S., Ağcabay M. E., Maşazade E., Selim S., Boysan T.

4-07, December 2023, pp.1-4

IEEE 30th International Conference on Electronics, Circuits and Systems (ICECS)

## EXPERIENCE



### Baykon Industrial Weighing Systems

Istanbul, Turkey

Embedded Machine Learning Engineer

February 2024 - October 2024

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



### Marmara University

Istanbul, Turkey

Undergraduate Teaching Assistant

February 2024 - June 2024

- Assisted Assoc. Prof. Engin Maşazade in the **Communication Engineering Laboratory**, coordinating the efforts of **100+** junior-year students while providing guidance and evaluation.



### TUBITAK

Istanbul, Turkey

Engineer Intern

August 2023 - September 2023

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



### Open Business Software Solutions (OBSS)

Istanbul, Turkey

Software Engineer Intern

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

Istanbul, Turkey

Undergraduate Research Assistant (Machine Learning/Artificial Intelligence)

December 2022 - June 2024

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



### Kalem Software

Istanbul, Turkey

Software Engineer Intern

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.



### Marmara ACM Student Chapter

Istanbul, Turkey

Founder/President/Instructor

July 2023 - June 2024

- Led a team of **30+** to deliver technical training for **500+** computer science enthusiasts, increasing membership to **100+**, and lectured **200+** applicants at [Marmara ACM](#) on algorithms and data structures.

## PROJECTS

### SkinCancer-TL-Classification | Python, TensorFlow, Colab, Transfer Learning

March 2024

- Analyzed the performance of transfer learning models for skin cancer classification. Presented at **ICCBT 2024**.

### MedGAN-Synthetic-Images | PyTorch, Colab, cGANs, HAM10000 Dataset

January 2024

- Developed a GAN tool for synthetic skin lesion images, enhancing AI diagnostics; presented at **ICRMIA 2024**.

### DeepTL-SpinalDetection | Python, TensorFlow, Colab, Transfer Learning, Image Processing

January 2024

- Developed a deep transfer learning tool with a **98%** success rate in detecting spinal abnormalities.

## TECHNICAL SKILLS

**Languages:** Java, Spring/Spring Boot, C/C++, C#, Python, MATLAB, JavaScript, ReactJS, HTML, CSS

**Database:** SQL, PostgreSQL, MySQL, Spring Data JPA **Project Management:** Git, GitHub, Maven