Omer Sabri Emeksiz

Website | omeremksz@gmail.com | LinkedIn | GitHub

EDUCATION

Koç University　　　　　　　　　　　　　　　　　　　　　　　Istanbul, Turkey
Master of Science in Computer Science and Engineering　　　*October 2024 – June 2026 (Expected)*

Marmara University　　　　　　　　　　　　　　　　　　　　　Istanbul, Turkey
Bachelor of Science in Electrical Electronic Engineering - Honor　　*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