

Emircan Tepe

UNDERGRADUATE STUDENT

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*The CV features underlined texts that serve as external links, providing readers with convenient access to detailed information.

Education

Dokuz Eylül University

Izmir, Turkey

BS COMPUTER ENGINEERING

09/2020 - Present

- Senior student.
- Click [here](#) for a list of courses. Click Course Unit Code to reach a course's syllabus on the linked web-page.

University of Zurich

Zurich, Switzerland

DEEP DIVE INTO BLOCK-CHAIN, INTERNATIONAL SUMMER SCHOOL

06/2021 - 07/2021

- Studied the three key pillars of blockchain systems and distributed ledgers, namely the technology, the economics, and the legal aspects behind it.
- This program was highly interactive, with both theory and hands-on practice sessions offered by blockchain experts and crypto-company founders from all around the world (45 different lecturers from academia and industry).

Professional Experience

Innovile

Izmir, Turkey

JUNIOR SOFTWARE DEVELOPER

10/2023 - Present

- Currently working part-time as a junior software developer.
- Contributing to feature development and bug fixing in the company's highly complex software products in telecommunication domain, using the .NET environment.
- Taking a role in a machine learning project aimed at automating the load balancing of base stations.

Innovile

Izmir, Turkey

SOFTWARE DEVELOPMENT INTERN

09/2023 - 10/2023

- Worked as a member of the software development team that follows the Scrum methodology, where I actively participated in bug fixing and feature development.
- Also contributed to a machine learning project.

Arçelik Global | Advanced Robotics lab

Istanbul, Turkey

RESEARCH AND DEVELOPMENT INTERN

07/2023 - 08/2023

- Worked on a 3D measurement project and a well-known hand-in-eye problem.
- Developed a program to facilitate effective basic communication for their new machine vision cameras.

Microsoft

Istanbul, Turkey

MICROSOFT IMAGINER

11/2022 - 06/2023

- Imaginer is a program offered by Microsoft Turkey, providing mentorship and lectures to the program's students for six months.
- Completed a team project focused on sustainability, specifically Machine Learning technologies used in farming.
- Find my blog about it [here](#).

Research Experience

Koç University

Istanbul, Turkey

SUPERVISOR: DR. UĞUR TEĞİN

01/2022 - 11/2023

- Was a member of the [Laboratory of Photonic Technologies Lab](#).
- Conducted interdisciplinary research in the field of reservoir computing. Worked under the supervision of Dr. Uğur Teğın.

Koç University

Istanbul, Turkey

SUPERVISORS: PROF. DR. BARIŞ TAN, DR. SIAMAK KHAYYATI

06/2022 - 10/2022

- Worked in Prof. Tan's team as part of Koç University Summer Research Program (KUSRP) on a study named "Performance Evaluation of Manufacturing Systems by Using Supervised Learning Methods".
- Took on various responsibilities, including conducting experiments, and preparing and presenting reports.

Dokuz Eylül University

İzmir, Turkey

SUPERVISOR: ASSOC. PROF. DR. DERYA BIRANT

10/2021 - 06/2022

- Worked under the supervision of Assoc. Prof. Dr. Derya Birant, in the area of Machine Learning, specifically Animal Activity Recognition.
- Took on responsibilities and tasks resulting in the publication of an article titled "Classifying horse activities with big data using machine learning" in the Kuwait Journal of Science's Special Issue on Machine Learning for Big Data.
- The GitHub repository of the work is available on [this link](#).

Publications

Birant, D., Tepe E., 2022. Classifying horse activities with big data using machine learning, Kuwait Journal of Science, Special Issue on Machine Learning for Big Data

Volunteering Activities

BİLGEYİK

EDITOR AND WRITER

06/2019 - Present

- Bilgeyik is a non-profit website with the aim of spreading popular science to the Turkish society.
- In addition to being a writer, I also serve as an editor by reviewing other articles.

DETECH

ORGANIZATION MEMBER

11/2019 - 03/2020

- DETECH is a conference organized by Dokuz Eylül University students, that brings together students and industry professionals.
- As a member of the Publicity and Design Team, I took on a number of tasks and learned a great deal, particularly about team-working and communication.

KITAPAYDINLIK

MANAGER

08/2020 - 09/2020

- Successfully managed a social aid campaign.
- A library with approximately 1000 different books was created thanks to the generous donations from many individuals for a school in need.

References

Hidden for public version. Available based on request.