

# Emre Beray Boztepe

## Data Scientist | Machine Learning Enthusiast

I've graduated as a bachelor student from the department of computer engineering by getting the 3rd highest GPA in my department. I am very passionate about artificial intelligence, and I am always exploring new projects within this transformative field. Please to check every section mentioned here in detail and see my references on my [website](#).

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## SKILLS

**Programming:** Python, R, SQL

**Libraries/Tools:** Pandas, NumPy, TensorFlow, PyTorch, Scikit-Learn, OpenCV, Keras, Git, Jira

**Data Visualization:** Matplotlib, Seaborn

**Other:** Machine Learning, Deep Learning, NLP, Computer Vision, Data Analysis

## EDUCATION

### Master

Wrocław University

09/2023 – 07/2025 (Expected Graduation) Wrocław, Poland

- I am a Data Science master student.

### Bachelor

Çanakkale Onsekiz Mart University

09/2018 – 06/2022 Çanakkale, Turkey

- Graduated from Computer Engineering Department

### Bachelor

Lublin University of Technology

02/2021 – 06/2021 Lublin, Poland

- Erasmus+ Project

## WORK EXPERIENCE

### Game Developer

NARCADE

07/2022 – 10/2023 Istanbul, Turkey

- Develop new features on company's games and Bug fixing
- Suggest new ideas and implement new designs for development

### Unity Developer

Piri Teknoloji

09/2021 – 09/2022 Çanakkale, Turkey

- Develop Augmented Reality applications and simulations using Unity
- Find the best way to support 6<sup>th</sup> grade students' improvements in science class using AR and simulations

## LANGUAGES

Turkish

Native Proficiency

English

Professional Proficiency

German

Elementary Proficiency

Polish

Elementary Proficiency

**Projects** (Details on [Website](#) and [GitHub](#))

### AVESA

- Determine the topic of the video by the most action-packed scenes using multimodal deep learning and supporting the result using association rule mining, named entity recognition (NER), and NLP

### Botaniqube

- A cube that would detect which plant was put in, what diseases it has, and introduce a protocol for its treatment.
- This part is to detect the plant using deep learning

### Categorical & Binary Classification

- Classify 5 different plant species and classify 2 animals (dogs and cats) using deep learning by finding best pre-trained model with preventing overfitting problems

## Publications

Videolardaki Çevresel Sesleri Tanımak İçin Derin Öğrenme Tabanlı Bir Model Geliştirme

28-29 May 2022

Doi: 10.36287

An Approach for Audio-Visual Content Understanding of Video Using Deep Learning Methodology

30 August 2022

Doi: 10.35377

A Deep Learning Approach based on Ensemble Classification Pipeline and Interpretable Logical Rules for Bilingual Fake Speech Recognition

Accepted, In the publishing phase