

Bora Kargı

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Education

University of Tübingen

MSc. in Machine Learning

Tübingen, Germany

2023 - Current

Middle East Technical University

BSc. in Computer Engineering

Ankara, Turkey

2018 - 2023

- Ranked 5th out of 305 students with a GPA 3.83/4

Work Experience

Deep Learning & Computer Vision Engineer

DataBoss Security & Consulting

Ankara, Turkey

Nov 2022 - Aug 2023

- Integrated and tested latest SOTA object detection models
- Designed and tested augmentation techniques for improving the detection score of the machine learning algorithms.
- Built end-to-end pipeline for OCR to work with various newspapers sources.
- Technical Skills:** Python with PyTorch, OpenCV, Docker, Flask

Deep Learning & Computer Vision Engineer Intern

Kuartis Technology and Consulting

Ankara, Turkey

Aug 2022 - Sep 2022

- Implemented a pipeline for uploading company data into annotation tool for segmentation
- Trained a network for road segmentation
- Technical Skills:** Python with PyTorch, OpenCV, Pandas, Ubuntu Linux, Linux tools, Apt, Scripting, Git.

Undergraduate Researcher

KOVAN Research Lab

Ankara, Turkey

Aug 2021 - Sept 2021

- Supervised by Prof. Sinan Kalkan
- Trained a robot agent that can pick up an object and place it to desired position in a simulation.
- The camera system in the existing simulation has been upgraded to allow the user to design and use several cameras.
- Technical Skills:** Python, NumPy, PyTorch, ROS

Undergraduate Researcher

TUBITAK

Ankara, Turkey

Feb 2021 - July 2021

- Supervised by Prof. Tansel Ozyer and Prof. Reda Alhajj
- Created a web-based tool that allows users to upload datasets, display them, preprocess them, and then utilize the preprocessed datasets to train machine learning or deep learning models.
- Using LSTM, I have developed a deep learning model to predict whether or not a patient has a certain eye illness.
- Technical Skills:** Python, NumPy, Tensorflow, Flask, HTML/CSS/JS, Flask

Skills

Programming Python (Pandas, PyTorch, Tensorflow, NumPy, Scikit-learn. etc.), C/C++, Flask, HTML/CSS, SQL.

Miscellaneous Linux, Shell (Bash/Zsh), \LaTeX (Overleaf/R Markdown), Git/Github, Docker, REST

Soft Skills Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Languages Turkish (Native), English (Professional Proficiency), Japanese (Beginner)

Projects

Implementation of the "Style-Aware Normalized Loss for Improving Arbitrary Style Transfer" paper

Project link

Submitted for CENG501 - Deep Learning course

Open sourced a academic paper published in a top conference.

John Conway's Game of Life problem using parallelism

Project Link

Submitted for CENG478 - Parallel Computing course

Simulated a Conway's Game of Life problem with custom and interesting rules as the final project.

Blog

Project link

Collection of blog posts about neural networks.

Writing about the things I learn.

Achievements

2023	ELIZA , ELIZA Research Oriented Master's Scholarship Holder	<i>Tübingen</i>
2023	METU CENG Demoday , Our graduation project ranked 4th among 33 projects	<i>Ankara</i>
2020	KODTÜ , Ranked 13th in KODTÜ Programming Contest among more than 100 teams	<i>Ankara</i>
2018	YKS , Ranked 435th in the College Entrance Exams among more than 2 million students	
2017	TUBITAK , Among 308 participants, I am chosen to participate in the 2017 summer camp for computer olympiads.	<i>Ankara</i>

References available upon request.