

YAĞIZ HIKMET KARAKUŞ

COMPUTER ENGINEER



About

A.I. enthusiast computer engineer who interested in data analysis and artificial intelligence technologies. Familiar with Computer Vision, Statistical Learning, Natural Language Processing and Image Processing and have experience in those fields.

Experience

RESEARCH SCHOLAR

TED University | 04.2023 - 06.2023

Work on a speech recognition research

INTERN

Smartest Co. | 06.2022 - 04.2023

- Coded and fine-tuned a convolution neural network for vehicle detection.
- Prepared a dataset with "Labelme" and made a road detection with a semantic segmentation model.
- Learned multiple view geometry and triangulation to calculate the depth of an object through the camera with a stereo camera setup and use a monocular depth estimation model to make depth estimation from a mono camera setup
- Coded and implemented object tracking, object detection, and image classification, also used other machine learning and neural network architectures.

WORKING SCHOLAR

TEDU corporate development office | 09.2021 - 06.2022

Coded YÖK Atlas web scraper for the university's quality team and helped them to process YÖK Atlas's data

COMPUTER ENGINEERING LABORATORY TUTOR

TEDU Computer Engineering Faculty | 09.2020 - 06.2022

Tutored the juniors in Java 1 and Java 2 lectures.

WORKING SCHOLAR

TEDU Social and Cultural Affairs Office | 09.2019 - 06.2021

Occupied as Regie at TED University events. -To be commissioned as voice mixturer for TED University events.

INTERN

Komtaş | 08.2021 - 09.2021

- Built plug-ins with Java programming language for Pentaho BI tool.
- Worked with Docker and Kubernetes and Linux.

Contact

Contact

- 🏠 Ankara, Turkey
- ☎ 537 506 00 74
- ✉ yagizhikmetkarakus@gmail.com

Social

- in /in/yagiz-karakus
- 🔄 /yagizkarakus

Education

2018 - 2023	Computer Engineering 4th Grade Student TED University, Ankara 3.00/4.00
2016 - 2018	High School Fen Bilimleri, Ankara 87.38/100
2014 - 2016	High School Bahçelievler Anatolian High School , Ankara Description of the education/course.

Volunteer work

INTERNATIONAL ASSOCIATION OF TEACHERS OF ENGLISH

TED University | 2019 - 2019

TED University was the host of the 2019 IATEFL conference and took charge of that event.

TED UNIVERSITY EXPERIMENTAL LEARNING CENTER

TED University | 2018 - 2019

Found a center for learning English with experience perform and write theater plays.

DIGITAL STORYTELLING TUTOR

TED University | 2019 - 2019

Took charge as an instructor in 2019 for digital storytelling. - Taught digital storytelling to 9th-grades and help them to create a digital story.

Projects

2023	STABLE AI <i>TED University</i> Image Generation Platform with Custom Stable Diffusion Pipeline
2023	SELF ATTENTION TRANSFORMER LANGUAGE MODEL <i>Organisation</i> creating large language model decoder from scratch
2021	CONVOLUTIONAL NEURAL NETWORK <i>TED University</i> Convolutional Neural Network From Scratch

Skills

Language

Turkish	<div><div></div></div>
English	<div><div></div></div>

Tools&Technologies

Java	<div><div></div></div>
C Language	<div><div></div></div>
Python	<div><div></div></div>
Numpy-Pandas	<div><div></div></div>
TensorFlow -	<div><div></div></div>
Pytorch	<div><div></div></div>
R Language	<div><div></div></div>
SQL	<div><div></div></div>
Blender-WebGL	<div><div></div></div>
JavaScript-	<div><div></div></div>
HTML-CSS	<div><div></div></div>
Arduino	<div><div></div></div>
Linux	<div><div></div></div>
Algorithms &	<div><div></div></div>
DataStructures	<div><div></div></div>
Object Oriented	<div><div></div></div>
Programing	<div><div></div></div>