

Mert Ali FIRAT

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Curriculum Vitae

Education

Middle East Technical University

B.Sc. Computer Engineering

Ankara, Turkey

Sep 2018 – June 2023 (Expected)

- Senior Student with a GPA, 3.40/4.00
- I have studied for preparatory school for the first year.
- In university entrance exam, I was in the top 0.06% among 2 million people.

Adana Science High School

Adana, Turkey

- Graduated with the grade, 96.69/100

Sep 2014 – June 2018

Working Experience

Internship

KUARTIS Technology and Consulting

Jul 2021 – Sep 2021

- I worked as an intern under the Computer Vision-Machine Learning team and learned **machine learning** and **PyTorch** basics.
- We have implemented and upgraded **ClearML** for the company's specific needs.
- I have learned how to use **Docker**, focused on the **client-server model**, and enhanced my **developer skills** using **Python** in source code.
- I have participated in collecting and creating data sets for the training of the data.

Candidate Engineer

DAMADAMA Artificial Intelligence Technologies

March 2022 – Present

- Working under a **computer vision** side of the autonomous robot project for agriculture.
 - Developed classical computer vision algorithms from scratch by using **NumPy**, **PyTorch**, and **OpenCV**.
 - Trained a segmentator model to apply semantic segmentation of crop, weed and soil by using **MMSegmentation**.
 - Generated a **segmentation evaluator** for a trained model that takes model and dataset as input and prints the evaluation metrics.
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Teaching Experience

Undergraduate Teaching Assistant

CENG240 Programming with Python For Engineers

Nov 2021 – Jan 2022

- Preparing questions for the workbook and exams.
 - Monitoring students in their laboratory exams.
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Certificates

Stanford University-Koç University CS Bridge

2017

- Introduction to programming in **Java** course given by Koç University and Stanford University instructors.
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Technical Skills

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|-----------------|----------|----------|-------------------|
| • Deep Learning | • Python | • Java | • Data Structures |
| • C/C++ | • SQL | • Docker | • Assembly |
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Languages

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| • Turkish (Native) | • English (Fluent) | • Greek (Beginner) |
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