Onur Okuducu

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EDUCATION

Boston University 2024-

Phd. Systems Engineering, Boston, MA

Middle East Technical University 2020 - 2024

B.S. Computer Engineering, Ankara, Turkey CGPA: 3.94/4.0

Class Ranking: 3rd out of 159

Galatasaray High School 2014 - 2020

High School, Istanbul, Turkey CGPA: 91/100

RESEARCH EXPERIENCE

tumrly - Senior Year Project | *Project Responsible* Oct 2023 - 2024

- Designing deep neural network (DNN) based models for lung cancer detection.
- Evaluating current state of the art models with our in house dataset.
- Suggesting and implementing enhancements on state of the art models.

Romer Research Labs | *Research Intern* July 2022 - March 2023

- Worked on HRI (human robot interaction) in the domain of industrial collaborative robots by improving the decision making capabilities of the robot based on user experience.
- Trained and implemented CNN based facial emotion recognition classifier.
- Implemented the server which handles the data inflow from all of the emotion recognition classifiers (facial, speech, posture, eye gaze) and made the industrial robot (UR5e) act accordingly.

INDUSTRY EXPERIENCE

HAVELSAN | *Summer Machine Learning Intern* Aug 2023 - Sep 2023

- Worked on deep learning based models on vehicle detection and counting from aerial imagery.
- Designed and implemented a convolutional neural networks based model for object detection and applied a connected compenents filter for the counting.
- Obtained an overall detection accuracy of > 0.85.

HONORS

High Honor Student | *8 semesters in a row*

- Starting from the Fall 2020, I constantly became a High Honor student by obtaining a GPA greater than 3.50.

1000th out of 2.5 Million takers ranking in the Turkish University Entering Exam | *2019*

- Corresponds to the 0.04th percentile.