MUSTAFA DURMUŞ

NLP Engineer

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Summary

Hello, I am Mustafa. I have been interested in artificial intelligence, machine learning, and natural language processing since 2018. I have a strong background in Python programming data engineering, and machine learning and I enjoy working on projects that use AI to solve real-world problems. I am eager to continue progressing in these fields and related business roles, and I am always looking for opportunities to grow and learn more.

Work Experience

NLP Engineer   *Istanbul/ Turkey*

ALBERT HEALTH   Dec 2020 – Present

- I am responsible for improving NLU products and creating new NLP applications. I specialize in topics such as conversational AI, chatbots, LLMs models, multiple agent structure, data engineering, and predictive models. I have also gained experience with MLOps, and Jenkins, and I am proficient in using Docker and shell scripting to manage the workflows.

Robotics Developer   *Istanbul/ Turkey*

HUMMINGDRONE AVIATION & AEROSPACE   Jul 2019 – Dec 2020

- I was in the Robotics Development Team. The team is deeply focused on making data-driven drones, using approaches like machine learning, computer vision, visual slam, amazon web services, and open-source robotics technologies.

Volunteer Projects

Data Engineering MasterClass & Zemin İstanbul   *Istanbul/Turkey*
Feb 2021 - June 2021

- Data Engineering MasterClass was a very useful training where I learned the journey of **data** which is the first step of every project where machine learning and deep learning models are used. I had the opportunity to talk about many important topics like data collection, data storage, data scaling, and data cleaning with experienced software developers and data engineers who have worked in their fields for many years.

- Our project which we developed as a team at the end of the training, aims to make the optimum road maintenance hour estimation with machine learning

techniques were selected as the 3rd among 6 teams. You can access the project via this link.

Deep Learning Türkiye   *Istanbul/Turkey*
                                                                            Jul 2019 - Oct 2019

- I participated in the "Hands-on AI Project" organized by Deep Learning Turkey community and continued for 4 months. I am in the team working on the Real Time Object Detection in Occupational Safety project. We used approaches and applications like YOLOV3, Amazon Web Services, RabbitMQ, and RaspberryPi.

Education

Karabuk University   *Karabuk/Turkey*

Master of Science -Computer Engineering   Sep 2020 - Present

Vytautas Magnus University   *Kaunas/Lithuania*

Exchange Programme   Aug 2017 – Jan 2018

- I have participated Erasmus program in Lithuania for 5 months.

Karabuk University   *Karabuk/Turkey*

Bachelor of Science - Computer Engineering | GPA of 3.47/4.00   2014 – 2019

- I have taken theoretical and practical valuable lessons starting from programming in many areas of computer engineering and participated in various activities. I did my compulsory internship with one of my university teachers and together we developed a project using the Django framework. I worked on my thesis for 9 months during my senior year.

- I developed a natural language processing model that generates a textual description of the given images for my thesis. I used convolutional and recurrent neural nets for the same problem.

Skills

➢ Python, Linux Shell Scripting

➢ ML, NLP and MLOps

➢ Docker, Jenkins, GitHub Actions

➢ Cloud (Amazon Web Services, Google Cloud Platform)

➢ Git, GitHub

➢ ROS, Gazebo, Rviz

References

(1) Prof. Dr. Oğuz FINDIK

Karabuk University Computer Engineering Department e-mail: oguzfindik@karabuk.edu.tr

(2) Orkun AŞA

Co-Founder – Computer Engineer at Hummingdrone e-mail: orkun@hummingdrone.co