CAHİD ARDA ÖZ

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EDUCATION

Boğaziçi University 2019-Ongoing
Bachelor of Science in Computer Engineering
Overall GPA: 3.87/4

Full English Program. Took courses on physics, calculus, linear algebra, discrete mathematics, economics, psychology, algorithms and data structures.

Exchange Student at University of Twente, Netherlands Fall 2021

WORK & RESEARCH EXPERIENCE

Invent Analytics July 2022 - Present
Machine Learning Intern *Istanbul, Turkey*

· Studying AI explainability.

Artifeye December 2021 - June 2022
Junior Machine Learning Engineer *Istanbul, Turkey*

· I worked on an image processing task to address a problem in the textile industry. I was responsible for researching applicable image processing solutions and applying these solutions. I have used tools such as MTRG Segmentation and CE-Net to generate datasets. I have trained models such as Mask-RCNN with these datasets to segment and classify objects in microscopic low contrast images. I regularly used libraries such as opencv, numpy and tensorflow. I also used AWS tools such as S3, EC2, Lambda.

Arute Solutions July 2021 - August 2021
Data Science Intern *Istanbul, Turkey*

· As an intern, I studied data science and machine learning. I applied visualization techniques to time-series data using Matplotlib and Plotly. I created feature sets with Numpy and pandas. I then applied machine learning methods beginning with tree based methods like LGBM. After tree based methods, I applied deep learning methods using Tensorflow and Keras. I then worked on implementing and testing a TabTransformer layer in Tensorflow and keras.

RE4DigiTR - Boğaziçi University January 2021 - July 2021
Undergraduate Research Assistant *Istanbul, Turkey*

· Worked in the RE4DigiTR project which aims to apply requirement engineering methods to solve digital transformation problems, led by Assist. Prof. Fatma Başak Aydemir. I was responsible for developing ArTu, a web application for extracting information from user story sets and visualizing these sets as goal models. I learned ReactJS to add new features to the front-end, used JointJS library to visually improve existing goal model editor, used Neo4j database and Cypher to implement required changes in the Flask back-end.

PUBLICATIONS

- Tuğçe Günes, Cahid Arda Öz and Fatma Başak Aydemir; "ArTu: A Tool for Generating Goal Models from User Stories" 2021 IEEE 29th International Requirements Engineering Conference

REFERENCES

- Assist. Prof. Fatma Başak Aydemir, Boğaziçi University (basak.aydemir@boun.edu.tr)