

Hasan Ocak

JUNIOR COMPUTER SCIENCE STUDENT · SABANCI UNIVERSITY

Darica, Kocaeli

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Work Experience

CBOT

MACHINE LEARNING INTERN

Remote Intern

July 2020 - Aug. 20

- Worked on some Machine Learning applications such as preparing dataset for face detection.
- Prepared a web platform where user can upload images from two different classes to make a binary image classification.

Sabancı University

LEARNING ASSISTANT FOR CALCULUS

Tuzla, Istanbul

Sept 2019 – Jan 2020

- Taught MATH 102 (Calculus 2) to freshman students every week.
- Organized recitation hours

Sabancı University

RESEARCHER IN PURE PROGRAM

Tuzla, Istanbul

June 2019 - Aug. 2019

- Worked in deep learning image segmentation task.
- Analyzed the trained model and compared the performances.
- Gained an insight for deep learning and understood the basic concepts.

Education

SABANCI UNIVERSITY

B.S. IN COMPUTER SCIENCE AND ENGINEERING - GPA (3.83)

Tuzla, Istanbul

Sept. 2017 - Present

- Got a Full Scholarship

Projects

Movie Recommendation App

[HTTPS://BANAFILMONER.HEROKUAPP.COM/](https://BANAFILMONER.HEROKUAPP.COM/)

- Recommends movie by based on the text similarities
- Used **Flask** and **Data Science**

Airbnb Price Prediction Web App

[HTTPS://AIRBNB-PREDICTION-APP.HEROKUAPP.COM/](https://AIRBNB-PREDICTION-APP.HEROKUAPP.COM/)

- The main goal is price prediction for Airbnb rents in New York City after determining which features have an effect on price.
- Trained neural network model with **Tensorflow** and **Keras**.
- Used **Python**, **Flask**, **Heroku**, **HTML** and **SAAS**.
- Notebook is available at <https://www.kaggle.com/ocakhsn/airbnb-price-prediction-multiple-datasets>

Android News App

[HTTPS://GITHUB.COM/OCAKHASAN/NEWS-APP](https://GITHUB.COM/OCAKHASAN/NEWS-APP)

- Developed online news application in **Android** for school project.
- Used **Dynamic UI** with the data from **RESTFUL API**

Simple Text Classification on Eksi Sozluk Dataset

[HTTPS://GITHUB.COM/OCAKHASAN/TEXT-CLASSIFICATION](https://GITHUB.COM/OCAKHASAN/TEXT-CLASSIFICATION)

- Created a **Web Scraper** with **Python** to apply on Ekşi Sözlük
- Labeled the scraped data and applied **Machine Learning Model (Naive Bayes)**
- Achieved 78 percent accuracy

Blog Website

[HTTPS://GITHUB.COM/OCAKHASAN/TEXT-CLASSIFICATION](https://GITHUB.COM/OCAKHASAN/TEXT-CLASSIFICATION)

- Created a blog website using **Python Django** framework and **Bootstrap**.
- Planning to share Turkish writings about Software Engineering.

Extracurricular Activity

Civil Involvement In Elementary School

TEACHER

Istanbul, Turkey

Dec. 2019

- Taught various topics(spaces, sports etc) to 3rd grade students.
- Gained team work experience