

Hasan Ocak

JUNIOR COMPUTER SCIENCE STUDENT · SABANCI UNIVERSITY

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Work Experience

Sabancı University

LEARNING ASSISTANT AT DATA SCIENCE COURSE

- Learning Assistant at Introduction to Data Science (CS 210)
- Helped students with their data science related problems

Tuzla, Istanbul

Oct 2020 - Present

Sabancı University

RESEARCHER IN PURE PROGRAM

- Working on COVID-19 Dataset about hospitalization of COVID 19 positive patients
- Used machine learning models to perform classification

Tuzla, Istanbul

Oct 2020 - Nov 2020

CBOT

MACHINE LEARNING INTERN

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

Remote Intern

July 2020 - Aug. 20

Sabancı University

LEARNING ASSISTANT FOR CALCULUS

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

Tuzla, Istanbul

Sept 2019 - Jan 2020

Education

SABANCI UNIVERSITY

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

- Got a Full Scholarship

Tuzla, Istanbul

Sept. 2017 - Present

Projects

Movie Recommendation App

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

- Recommends movie by based on the text similarities
- Used **Flask** for Web Development and **Scikit-Learn** for text similarity

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 Ekşi Sözlük 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 trained a neural network with Embeddings using **Tensorflow**
- Achieved 80 percent accuracy

Skills

Languages: Python, C++, Java, Javascript, HTML, CSS

Technologies: Flask, Android, Tensorflow, Scikit-Learn, Pandas, Node.js, React, MySQL, Git/Github, CLI, Kaggle