


Cavit Çakır

contact

Sabancı University,
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research interests

Machine Learning
Data Science

languages

Turkish *native*
English *advanced*
German *basic*
Spanish *basic*

programming

C++, Python,
JavaScript, React
Native, LaTeX, git,
nodejs, React, mySQL

hobbies

coffee brewing,
origami, archery,
trekking, board games

Activities

- Sabancı University:
 - Founder of Board Games Club
 - Board Member of Newcomers Club
 - Board Member of Outdoor Sports Club

Education

2021-

Technical University of Munich
Masters's degree Informatics

Munich/GERMANY

2016-2021

Sabancı University
Bachelor's degree Computer Science and Engineering
Partial Scholarship
Computer Science GPA: 3.78/4.0
Overall GPA: 3.29/4.0

Istanbul/TURKEY

2012-2016

Izmir Private Turk Science High School

Izmir/TURKEY

Selected Projects & Research

2020-2021

Graduation Project - Meeting Scheduler Chatbot

Advisor: Reyhan Terzioğlu, Duygu Karaoğlu Altop

- Used RASA Bot Framework to develop the chatbot.
- Used pretrained natural language understanding(NLU) methods to process user inputs.
- Designed and implemented website for chatbot by using react, node and docker.



2020

Lexicon and Rule-based Named Entity Recognition

Natural Language Processing Course

- Collected and preprocessed Turkish and English tagged data.
- Written 25 regex expressions to catch entities.



2020

Skin Cancer Classification

Machine Learning Course

- Used CNN and Transfer Learning in order to help early diagnoses of skin cancer by the images of the skin segment
- Compared various machine learning methods that are suitable for this problem.



2019

High Performance Computing Algorithms for the Hypergraph Partitioning Problem

PURE(Program for Undergraduate Research)

Advisor: Kamer Kaya

- Developed parallel algorithms with low-memory footprints for the hypergraph-partitioning problem.
- Implemented algorithms on multicore CPUs and manycore GPUs.

2019

Predicting Spotify Top List by Country Based on Weather Project

Introduction to Data Science Course

- Designed and implemented machine learning techniques to predict if song will be in top list or not, based on weather for Introduction to Data Science Course Project.



2019

Database Project for Colleges

Database Systems Course

- Created database and website to store information of courses, students, instructors and classes in a college by using SQL and php.



Experience

- | | | |
|----------------|---|-----------------|
| July20 - Oct20 | Machine Learning Intern
<i>Supervisor: Alptekin Kupcu</i>
<i>FineSci Technology</i> <ul style="list-style-type: none">• Worked in Classification and Clustering of News project.• Used Neural Natural Language Learning methods and transfer learning. | Istanbul/TURKEY |
| Feb19 - Feb20 | Undergraduate Teaching Assistant
<i>Instructors: Gulsen Demiroz, Duygu Karaoğlu Altop</i>
<i>Sabancı University</i> <ul style="list-style-type: none">• Supported instructor with lab sessions for Introduction to Computing course.• Mentored students during office hours and through one-to-one tutorials.• Conducted interactive discussions on a weekly basis with 20-30 students and assisted them in clarifying questions. | Istanbul/TURKEY |
| Jan18 - Feb18 | Market Analyst Intern
<i>Enisolar Energy</i> <ul style="list-style-type: none">• Informed supervisors and company leaders on markets and regional sales needs to best meet customer needs and maximize revenue.• Maximized advertising efforts by developing content for media relations, corporate communications and social media posts. | Izmir/TURKEY |
| Jan17 - Jun17 | Civic Involvement Project
<i>Sabancı University</i> <ul style="list-style-type: none">• Project member for elementary school students development.• Played some mind games and spent 2 hours a week with them. | Istanbul/TURKEY |

References

Available upon request.