Cavit Çakır

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research interests
Machine Learning
Computer Vision
Data Science

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

programming
Pytorch, Tensorflow,
Numpy, React Native,
React, nodejs, mySQL,
git, Docker

hobbies
coffee brewing,
origami, archery,
trekking, board games

Activities
- Sabanci 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: Reyyan Terzioglu, Duygu Karaoğlan 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, Nodejs 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** ○
Intoduction 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** | Istanbul/TURKEY |

Supervisor: Alptekin Kupcu
FineSci Technology
- Worked in Classification and Clustering of News project.
- Used Neural Natural Language Learning methods and transfer learning.

| Feb19 - Feb20 | **Undergraduate Teaching Assistant** | Istanbul/TURKEY |

Instructors: Gulsen Demiroz, Duygu Karaoğlan Altop
Sabanci University
- Supported instructor with lab sessions for **Introduction to Computing** course. Used C++ as main programming language.
- 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.

| Jan18 - Feb18 | **Market Analyst Intern** | Izmir/TURKEY |

Enisolar Energy
- 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.

| Jan17 - Jun17 | **Civic Involvement Project** | Istanbul/TURKEY |

Sabanci University
- Project member for elementary school students development.
- Played some mind games and spent 2 hours a week with them.

References

Available upon request.