Cavit Çakır

contact

Sabancı University,
34956, Tuzla/İstanbul
☐+90 5358420983
Nationality: Turkish
Gender: Male

✉ cavitcakir3
@gmail.com

○ /cavitcakir
in /cavitcakir

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

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**	Munich/GERMANY
	Masters's degree Informatics	

2016-2021	**Sabancı University**	Istanbul/TURKEY
	Bachelor's degree Computer Science and Engineering	
	Partial Scholarship	
	Computer Science GPA: 3.78/4.0	
	Overall GPA: 3.29/4.0	

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.