


# Cavit Çakır

## contact

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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

## Education

2021-	<b>Technical University of Munich</b> <i>Masters's degree Informatics</i>	Munich/GERMANY
2016-2021	<b>Sabancı University</b> <i>Bachelor's degree Computer Science and Engineering</i> <i>Partial Scholarship</i> <i>Computer Science GPA: 3.78/4.0</i> <i>Overall GPA: 3.29/4.0</i>	Istanbul/TURKEY
2012-2016	<b>Izmir Private Turk Science High School</b>	Izmir/TURKEY

## Selected Projects & Research

2020-2021	<b>Graduation Project - Meeting Scheduler Chatbot</b> <i>Advisor: Reyhan Terzioğlu, Duygu Karaoğlu Altop</i> <ul style="list-style-type: none"><li>Used RASA Bot Framework to develop the chatbot.</li><li>Used pretrained natural language understanding(NLU) methods to process user inputs.</li><li>Designed and implemented website for chatbot by using react, node and docker.</li></ul>	
2020	<b>Lexicon and Rule-based Named Entity Recognition</b> <i>Natural Language Processing Course</i> <ul style="list-style-type: none"><li>Collected and preprocessed Turkish and English tagged data.</li><li>Written 25 regex expressions to catch entities.</li></ul>	
2020	<b>Skin Cancer Classification</b> <i>Machine Learning Course</i> <ul style="list-style-type: none"><li>Used CNN and Transfer Learning in order to help early diagnoses of skin cancer by the images of the skin segment</li><li>Compared various machine learning methods that are suitable for this problem.</li></ul>	
2019	<b>High Performance Computing Algorithms for the Hypergraph Partitioning Problem</b> <i>PURE(Program for Undergraduate Research)</i> <i>Advisor: Kamer Kaya</i> <ul style="list-style-type: none"><li>Developed parallel algorithms with low-memory footprints for the hypergraph-partitioning problem.</li><li>Implemented algorithms on multicore CPUs and manycore GPUs.</li></ul>	
2019	<b>Predicting Spotify Top List by Country Based on Weather Project</b> <i>Intoduction to Data Science Course</i> <ul style="list-style-type: none"><li>Designed and implemented machine learning techniques to predict if song will be in top list or not, based on weather for Introdution to Data Science Course Project.</li></ul>	
2019	<b>Database Project for Colleges</b> <i>Database Systems Course</i> <ul style="list-style-type: none"><li>Created database and website to store information of courses, students, instructors and classes in a college by using SQL and php.</li></ul>	

## Experience

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

## References

Available upon request.