YUNUS EMRE GÜNDOĞMUŞ

Data Scientist

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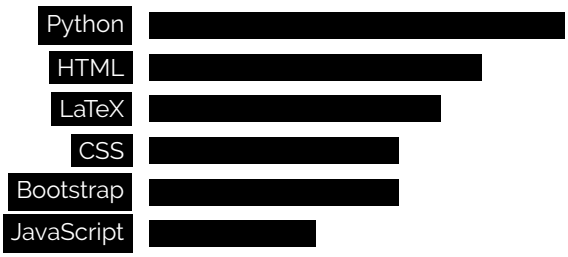
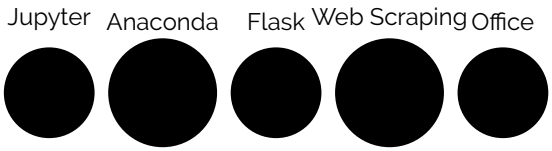
WHO AM I?

I describe myself like a tiger. I try to do everything I plan in my mind in the best way. What I want to do right now is to be a good data scientist. I was always attracted to the computers since I was a child, and I believed that they can think and interact with things. I want to make that true.





EXPERIENCE

9/2018 – Now
Part time

Jr. Data Scientist — **KoçFinansman**
Data Analysis
Creating Decision Tree's for Financial Decisions
Creating Machine and Deep Learning models for special cases.
Cleaning Data and Make Semantic inferences
Creating API's, Dynamic Dashboards with Flask and JS
Model Deployment and Visualization on Flask
`Python / Flask / JavaScript`

3/2018 – Now

AI Researcher — **Karmaşık Sistemler ve Veri Bilimi Topluluğu**
Giving Lectures About ML, Deep Learning, Web Scraping, NLP
Leading Web Scraping Engine Project
`Python / Selenium / NLP`

7/2018 – Now

Data Science Blogger - Lead Data Activist — **Veri Bilimi Okulu**
Organizing Data Science Events, Hackathon, Datathon etc

5/2018 – 10/2019
Part time

Data Science Consultant — **Tam Faktoring A.Ş.**
Customer Churn Analysis
Trackable Autonomous Machine Learning models
Binary Classification
Python
Deep Learning with Keras
Streaming data and model with dashboard
`Python / Flask / JavaScript / Bootstrap`

7/2018 – 10/2018
Part time

Jr. Data Scientist — **B2CDirect**
Risk-based Logistics Operation Optimization
Deep Learning Based Object Detection Models
Data Cleaning / Preprocessing
`Python / Django / HTML`

6/2018 – 8/2018

Project Intern — **MEF University**
Education-Oriented Data Analysis
Creating Machine Learning Models
Data Mining / Preprocessing
`Python`

COURSES AND CERTIFICATES

3/2020	**Kave Start-up Oriented Artificial Intelligence Training**	**Teacher**
9/2019	**Kave Research and Development Oriented Artificial Intelligence Training**	**Teacher**
9/2019	**International Computer Science and Engineering Conference (UBMK'19)**	**Speaker**
9/2019	**Young Business and Industrial Statisticians Workshop on Recent Advances in Data Science and Business Analytics**	**Speaker**
4/2019	**16. Statistics Student Colloquium**	**Speaker**
3/2019	**Kave Research and Production Oriented Artificial Intelligence Training**	**Teacher**
2/2019	**Conference on Transformation in Education (EDK'19)**	**Speaker**
10/2018	**Kave Project Based Artifical Intelligence Course**	**Assistant**
9/2018	**International Computer Science and Engineering Conference (UBMK'18)**	**Speaker**
5/2018	**15. Statistics Student Colloquium**	**Speaker**
3/2019	**KaVe Artificial intelligence training for high school and university students**	**Student**

PUBLICATIONS

11/2019	**Feature Selection with Evolving, Fast and Slow Using Two Parallel Genetic Algorithms** DOI: 10.1109/UBMK.2019.8907165	**IEEE**
9/2019	**Risk-based Fraud Analysis for Bank LoansWith Autonomous Machine Learning**	**y-BIS'19**
11/2018	**A Glimpse to Turkish Political Climate with Statistical Machine Learning** DOI: 10.1109/UBMK.2018.8566403	**IEEE**

PROJECTS

10/2019 - Now **Text Summarization on Turkish Documents** **Ka|Ve**

we're trying to solve Turkish NLP problems from it's origins, such as part of speech tagging, ending stem of the word, and creating sentences from the word stem only.

`Python / Text Summarization / NLP / LSTM`

7/2019 – Now **Social Media Monitoring** **Ka|Ve**

We are developing a very useful resource for receiving social media data, and as an team, an interface that will allow people and celebrities to follow their reputation in social media.

`Python / Web Scraping / Flask / Machine Learning`

5/2019 - 7/2019 **Feature Selection with Evolving, Fast and Slow Using Two Parallel Genetic Algorithms** **Ka|Ve**

We have proposed and applied a new feature selection method with Evolving Fast and Slow for class problems cation problems in machine learning. Our method is based on genetic algorithms. There are several benefits of genetic algorithms, first of all it is inherently parallel and can be easily distributed. It always finds a solution

`Python / Feature Selection / Genetic Algorithms / Machine Learning`

1/2019 - 3/2019 **Application ScoreCard for Arçelik Portfolio** **KoçFinansman**

As the scorecard we have passed, we developed a scorecard that will determine the person's score at the time of application for the Arçelik portfolio. Our different approach here is to feed the last part of the scorecard with machine learning algorithms.

`Python / Credit ScoreCard / Machine Learning / Deep Learning`

11/2018 – 1/2019 **KaVi Voice Assistant** **Ka|Ve**

My aim in this project is to create an open source voice assistant, and bring together machine learning and voice assistants. We can make pretty good things with Kavi, like Anything you're wonder about, he can search and read the results from vikipedia for you. etc.

`Python / Voice Assistant / Text to Speech / Speech to Text`

12/2018 **Detective Churn** **Marmara University**

Our aim in our project was to identify customers who stopped cashing checks after a certain number of transactions. Here we have decided to look at this problem from different perspectives with a different point of view rather than normal Customer Loss Analysis. We decided to use 3 different methods to create a Majority Vote. From these three perspectives, we have predicted that the person will or will not Churn.

`Python / Churn Prediction / Machine Learning / Deep Learning`

9/2018 – 11/2018 **Fraud Detection with Autonomous Machine Learning** **KoçFinansman**

We have developed a system that will capture customers who will fraud for Arçelik's portfolio at the time of application. Our different point of view was to develop the system with autonomous ml architecture to adapt to changing economic conditions.

`Python / Fraud Detection / Machine Learning / Deep Learning`

7/2018 – 8/2018 **ArabaOner** **DataRaccoons**

ArabaOner, Suggest You The Most Suitable Car Models in 12 Questions. It finds these Models on 0-2nd Hand Car Selling Sites for you and allows you to easily access them.

`Python / Django / Machine Learning`

3/2018 – 5/2018 **A Glimpse to Turkish Political Climate with Statistical Machine Learning** **Ka|Ve**

We conduct a data-driven study to harvest decisionmakers policy orientation and predict his or her vote. In thisstudy, we collect and analyze the data about the opinion of theindividual voters on a variety of political issues related to Turkishpolitics. Based on this data, we can measure which parties areclose and which parties are distant in multi-dimensional politicalspace. We can make a glimpse to what social matters shape theTurkish political climate with the lenses of statistical models. Weshow in which political issues Turkish people agree the most andin which political issues they are segregated the most. Moreover,we use traditional machine learning tools to predict the vote ofan individual, depending on his or her opinion about the pre-determined political issues with the help of our data

`Python / Django / Machine Learning / Political Data Science`

AWARDS

2/2020 **1st Place Award** **AGT**

Ka | Ve, together with my teammates, we won the first prize with our project called Agtify - Augmented Reality Supported, Personalized Parquet, Panel, MDF Experience Assistant.

12/2019 **1st Place Award** **Republic of Turkey Ministry of Industry and Technology Turkey Open Source Platform**

We won the first prize with our project titled Summarify- Personalized News Summarizing Tool with Ka | Ve in AçıkHack Natural Language Processing Hackathon.

11/2019 **1st Place Award** **Setur – Microsoft**

In Setur Travel Datathon, we won the first prize with our project titled Seturify - Personalized Hotel Management Assistant with Ka | Ve

10/2019 **3rd Place Award** **Turkey Capital Market Association**

Ka | Ve as a team, we won the third prize in our Serathon Capital Markets Hackathon with our project titled Borsify - Easy to Use - Personalized Investment Assistant

2/2019 **1st Place Award** **Denizbank**

In the Data Analytics Challenge Contest, which continues with online cases for 2 weeks organized by Boğaziçi University Operations Research Club Club, we completed the 1st place together with my teammate Ali Akay and 4th place in the general ranking in the Denizbank Case Study contest on the 9th of February.

12/2018 **1st Place Award** **Tam Faktoring**

In the Analytical Hackathon Contest organized by Tam Faktoring, we were awarded the first prize with our project titled Detective Churn

EDUCATION

2017 – 2021 **Statistics Bachelor's Degree** **Marmara University**

2013 – 2017 **Highschool Degree** **Beylikdüzü Cahit Zarifoğlu Anatolian High School**

REFERENCES

Dr. Cumhur Taş **Turk Finansman**
Assistant General Manager

Dr. Uzay Çetin **İstanbul Bilgi University Computer Engineering Department**
Assistant Professor

Kadircan Özdemir **Koçfinansman**
Credit Risk Management Analytics Manager

Dinçer Özoran **MEF University Research Center for Learning and Teaching Practices**
Associate Director

LANGUAGES

Turkish - native
English - proficient

HOBBIES

I'm a BBQ Meat Gourmet, I have a tiny blog where I taste different flavors and evaluate them. I'm a 80-90's Rock music fan.

NON PROFIT

I give speeches to high school students to raise awareness about artificial intelligence and data science. We regularly give high school python lessons to high school students at YETGEN activities every year.