+90 (539) 747-7377
Istanbul, Turkey
btemel@sabanciuniv.edu

Barış Temel

Data Scientist

Portfolio: btemel.github.io
github.com/btemel
linkedin.com/in/baris-temel

Skills

Languages	Python, SQL, R, Matlab, C++, HTML, CSS, Javascript, CPLEX Studio
Frameworks	Pytorch, Tensorflow, SparkSQL & Spark MLlib, Numpy, Scikit, Pandas, Matplotlib
Tools	Redshift, Oracle SQL,Tableau Software, Git, Docker, Jira, Confluence, MS Office
Soft Skills	Leadership, Strong Communication, Resilience, Event Management, Writing, Public Speaking, Time Management
Communication	English(fluent speaker), Turkish (Native), German(Beginner)

Work Experience

REEF / Data Scientist **Aug 21' — May 22'**
Full Remote *Miami, US*

- Responsible for designing and implementing BI solutions mainly to Kitchen verticals for Strategy and Operational KPIs.
- Architect and build Tableau Dashboards to achieve stakeholder needs.
- Created data structures using REST APIs / SQL / Python.
- Developed Supply Chain Dashboards for Pareto Analysis & Inventory Management System.
- Developed Market Analysis creating automated scrapers in Python using state of art libraries such as Beautiful Soup, Selenium.
- Analyzed sentiment analysis on partner delivery service platforms for executives.
- Developed a dashboard for tracking the performance of new employees training development.
- Developed and improve the back end over 20 Kitchens Dashboards using Redshift.

Sabanci University /Teaching Assistant **Sep 20' — Jun 22'**
On-Site *Tuzla, Turkey*

- Taught as an assistant for the introductory Python programming course IF 100 - Computational Approaches to Problem Solving.
- Managed to teach up to intermediate level concepts on coding to freshman students in one term about 14 weeks.

QNB Finansbank / Data Analyst **Mar 19' — Jun 20'**
On-Site *Sisli, Turkey*

- Management trainee (3 months): Trained financial and leadership skills, Python, SQL and Excel training, finished a project about credit card fraud detection.
- Koc University MT-MBA Education Program (3 months): Learned about macro economics, data analytics and visualizations in real world problems. The lectures give an insight about MBA program.
- Analyzed raw data about financial concepts, creating algorithms and models in both Python and R gathering and exporting data using SQL, automating reports and creating a visual platform in Visual Studio using C# and SQL, experiencing on creating different dashboards and making financial data analysis.

CapitalBridge Partners / Data Analyst Intern **Jun 18' — Sep 18'**
On-Site *Beyoglu, Turkey*

- Experienced and driven financial services with expertise in financial management, analysis and planning. Learned the financial side of M&A processes.

Brisa Bridgestone / Sales Intern **Jul 17' — Sep 17'**
On-Site *Uskudar, Turkey*

- Applied 4 different forecasting methods to predict tire demand for cities in Turkey. Worked closely with the sales & supply chain teams.

Education

Ms. in Data Science, *Sabanci University* Sep 20'— Sep 22'

- Courses: *Machine Learning - Deep Learning - Big Data Processing - Deep NLP - Computer Graphics - Methods of Statistical Inference - Engineering Optimization - Advance Statistics with R*
- GPA: 3.50/4.00
- 100% Scholarship

Bachelor of Science in Industrial Engineering & Minor in Finance, *Sabanci University* Jun 14' — 19'

- GPA: 3.01/4.00
- Courses: *Statistical Modelling - Deterministic&Stochastic Models in Operational Research - Financial Engineering - Decision Analysis - Simulation - Differential Equations - Supply Chain Practice - Quality Planning&Control - Decision Economics - Microeconomics*
- 50% Scholarship

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Projects

- **Follower Anomalies in Social Media**: This is my ongoing thesis project. The motivation is to create an open source algorithm that detects anomalies of followers in any social media. Twitter is my base target social media. I am analyzing social bot movements. (Sabancı University 22')
- **Statistical Inference Tools**: Built a new Framework for ANOVA & Multiple Linear Regression: Created necessary packages that does not exist in famous data analysis libraries in python. (Sabancı University 22')
- **Sphere Guided 3D Shape Generation and Manipulation**: Implemented SP-GAN to human dataset. Created 3D meshes from point clouds. (Sabancı University 21')
- **Face image generation with variational autoencoder**: Created a face generation model using multiple VAE's for CelebA, FER13 and Emotic dataset. With this project, we have investigated the VAE architecture over images and 3D meshes, where we have practiced PyTorch and PyTorch geometric to generate synthetic images and meshes with different network architectures and datasets. (Sabancı University 21')
- **Cryptocurrency Price Trend Prediction Learning using LSTM Networks**: This project was for Deep Learning graduate course. The purpose was to create an LSTM network which will try to predict the trend movements. The aim was learning how to build a LSTM network with a real time streaming data. (Sabancı University 21')
- **Deep Reinforcement Learning Project in Simulating Natural Selection Environment**: It was my Machine Learning graduate course project. Motivation was to simulate Natural Selection environment which includes prey & predator agents that learn using DDPG algorithm in Reinforcement Learning.(Sabancı University 20')
- **Investigating Electric Vehicle (EV) Costs and Benefits In Istanbul** : It was my graduation project that aims to assess the costs and benefits of vehicle electrification in Istanbul. We planned to approach the problem from a Multicriteria Decision Analysis perspective with conducting literature survey, study global examples, interviews with relevant parties, data collection and analysis. (Sabancı University 17')
- **Solidworks Project**: Project which involved Solidworks skills to design the bicycle parts and assembly those parts together to create a fully designed bicycle.
- **Civic Involvement Project**: Project with kids in Muallimkoy school. Worked on self-confidence, how to behave in public and trying to give the kids individualistic approach for their life in the future. (Sabancı University, 15')
- **Breitenberg's Cars Project**: Designed a non remote controlled car which response to move according to direction of light.(Sabancı University, May 15')
- **Magnetic Wind Turbine Project**: Created a conversion of magnetic energy to electric energy design using wind turbines (FMV Erenköy Fen Lisesi, September 12')

Online Courses

- **Google Machine Learning Crash Course** : It was an online program about fast-paced, practical introduction to machine learning. It gave fundamental machine learning concepts and get real world experience with Google AI to explore the full library of training resources. (May 20')
- **Machine Learning A-Z: Hands-On Python** & R In Data Science : Learned complex theory, algorithms and coding libraries in a simple way.
- **Deep Learning A-Z: Hands-On Artificial Neural Networks** : Learned intuition behind Artificial Neural Networks and its applications.