Barış Temel

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EDUCATION

SABANCI UNIVERSITY

Ms. In Data Science (with Thesis), **Graduate School of Engineering and Natural Sciences**

- GPA: 3.70/4.00
- 100% Scholarship

B.Sc. in Industrial Engineering, **Faculty of Engineering and Natural Sciences** Jan 19'

Minor Program in Finance, **School of Management**

- GPA: 3.01/4.00
- Dean List High Honor: Fall 2015/ 2016
- Dean List Honor: Spring 2015/2016, Fall 2016/2017, Spring 2017/2018
- 50% Scholarship

High School: Feyziye Mektepleri Erenköy Işık Fen Lisesi June 14' Istanbul, Turkey

- Honor student in 2010-2014

SKILLS

Language: Turkish(native), English (Advanced), German(beginner)

Software: Python, SQL Oracle, R, C#, Deep Learning, Machine Learning, MS Office, SolidWorks, HTML, React, CPLEX Studio, ARENA

WORK EXPERIENCE

- **QNB Finansbank Data Analyst (March 19-June 20)**

Management trainee (3 months): Financial and leadership skills, Python, SQL and Excel training, project about data analysis (outlier detection modeling).

Koç University MT-MBA Education Program (3 months): Learning about macro economics, data analytics and visualizations in real world problems. The lectures give an insight about MBA program.

Analyzing 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 Analyst (June-September 18')**

Experienced and driven financial services with expertise in accounting, financial management, analysis and planning. Customer and investor correspondence, Teaser, Info Memo, financial modeling, Process Letter, NDA, relations with investor, Q&A, Due-Diligence coordination, interpretation of partnership contracts, share purchase interpretation of contracts, interpretation of loan contracts.

- **Sales And Marketing Internship (Brisa Bridgestone, July-September 17')**

Applying many different types of forecasting methods (such as Winter, Holt's,moving average weighted moving average, simple exponential smoothing via using company's 3-years data) to predict demand, and then compare my forecasting findings to the actual demands results to find a better approach for the company.

PROJECTS

- **Magnetic Wind Turbine :** Conversion of magnetic energy to electric energy design (FMV Erenköy Fen Lisesi, September 12')
- **Breitenberg's Cars** : Non remote controlled car which response to move according to direction of light . (Sabancı University, May 15')
- **Civic Involvement Project :** Project with kids in Muallimköy school. Working 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')
- **Solidworks Project :** Project which involves Solidworks skills to design the bicycle parts and assembly those parts together to create a fully designed bicycle.
- **Investigating Electric Vehicle (EV) Costs and Benefits In Istanbul :** It is my graduation project that aims to assess the costs and benefits of vehicle electrification in Istanbul. We plan 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')
- **Deep Reinforcement Learning Project in Simulating Natural Selection Environment:** It is my Machine Learning graduate course project that simulates Natural Selection environment that includes prey & predator agents that learn using DDPG algorithm in Reinforcement Learning.
- **Cryptocurrency Price Trend Prediction Learning using LSTM Networks:** It is an ongoing project in my Deep Learning graduate course. The purpose is to find a trend that accurately predicts crypto trend movements.
- **Face image generation with variational autoencoders:** This project aims to create 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.
- **Follower Anomalies in Social Media:** It 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.

ONLINE COURSES

- **Google Machine Learning Crash Course :** It is an online program about fast-paced, practical introduction to machine learning. It gives 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 :** Learning complex theory, algorithms and coding libraries in a simple way.
- **Deep Learning A-Z: Hands-On Artificial Neural Networks :** Intuition behind Artificial Neural Networks and its applications.