Atra Zeynep Bahceci

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Education

SABANCI UNIVERSITY   Istanbul, Turkey
MSc in Data Science. Current GPA 3.94. 100% merit-based scholarship.   Oct. 2022 – Jun. 2024

- Researcher at BAVLAB, cofounded by Sabanci University & MIT Media Lab Human Dynamics Group conducting research on big data analytics and data visualization.
- Thesis: Business Location Recommendation Tool using reinforcement learning
- Notable Projects: Gender classification on images with transfer learning on the VGGNet. Real-time semantic segmentation of UAV captured environments via YOLO. Human Activity Recognition Using Smartphone Data.
- Related Coursework: Machine Learning, Deep Learning, Statistical Inference, Optimization Research & Data Mining, Big Data Processing

ISTANBUL TECHNICAL UNIVERSITY   Istanbul, Turkey
BSc in Industrial Engineering. GPA 3.22.   Sep. 2016 – Sep. 2021

- Thesis: Developed an algorithmic trading bot via reinforcement learning. The bot managed to increase the assets with a ratio over the rate of return.
- Notable Projects: Simulation of a hospital's ophthalmology clinic using ARENA to test alternatives to minimize patient waiting. Investment proposal for a solar energy plant in Turkey using forecasting and feasibility analysis.

SISLI TERAKKI SCIENCE HIGH SCHOOL   Istanbul, Turkey
Graduation Grade 88%. 100% merit-based scholarship.   Sep. 2012 – Jun. 2016
Was in the top 0,45% nationwide in the university entrance exams. Participated in a student exchange in Breda, Netherlands in 2014. Member of the school's swim team, has earned top ranks in national meets.

Professional Experience

SABANCI UNIVERSITY   Istanbul, Turkey
Graduate Teaching Assistant   Oct. 2022 – ongoing
Teaching assistant for the courses *"Computational Approaches to Problem Solving"*, and *"Machine Learning"*. Instructor for Sabanci EDU 23' Advanced Data Analytics program on computer vision.

GARCIA TECHNOLOGY SOLUTIONS   Istanbul, Turkey
Data Analysis Intern   Oct. 2021 – Nov. 2021
Designed an algorithm for a social media app called *Ideflow* to distribute the app's ad revenue among professional users. With ensemble-modeling, integrated both factor analysis and multiple criteria decision-making the algorithm.

PROCTER & GAMBLE   Kocaeli, Turkey
IT & OT Intern   Jul. 2020 – Sep. 2020
Created a Bill of Materials comparison tool for Dry Laundry Operations to prevent BoM errors costing over 150,000 TRY annually. Using PowerBI, the tool took material data from various servers and based on product recipes & product orders, investigated whether there was an excess or lack of any raw material.

MERCEDES – BENZ TURK   Istanbul, Turkey
SAP Consultancy & Services Intern   Jul. 2019 – Sep. 2019
Organized SAP information in MS Excel and helped coordinate communication within the team. Created a Python script to correct the calculation of ticket response & resolution times.

Skills & Certifications

Computer Skills	Python, Apache Hadoop, Apache Spark, AWS, Amazon SageMaker, SQL, MS PowerBI, MS Access, GAMS, ARENA, MS Office Programs.
	Proficiency in Python libraries PyTorch, Keras, Tensorflow, Scikit-learn, Spark MLlib.
Language Skills	Turkish (native), English (TOEFL iBT CEFR Level C1), German (intermediate).
Relevant Certifications	Analyze Datasets and Train ML Models Using AutoML (issued by DeepLearning.AI), Build, Train, and Deploy ML Pipelines using BERT (issued by DeepLearning.AI), Algorithms: Design and Analysis Part 1 (issued by Stanford Online).