Zeynel Batuhan **Organ**

interests

Data science, Machine Learning, Algorithms, Optimization

education

2019 - Now	**M.Sc.** In Industrial Engineering *Optimal Decision Trees in Random Forest*	Ozyegin University/Istanbul/Turkey
2014–2018	**B.Sc.** Industrial Engineering	Ozyegin University/Istanbul/Turkey

experience

06, 2018 - Now **Invent Analytics, Istanbul, Turkey** — Junior Data Scientist
Performing big data analysis, feature engineering. Building an algorithm by developing predictive models using various machine learning techniques and solving optimization problems.

04–06, 2018 **Nielsen, Istanbul, Turkey** — Technology & Operations Intern
Conduct tasks for company's digitization effort at Technology Operation Department

2015 – 2018 **Ozyegin University, Istanbul, Turkey** — Teaching Assistant
Bus101 Course: Attend lab sessions, Prepare exam/assignment questions and cases using VBA

07, 2016 **BSH Home Appliances Group, Istanbul, Turkey** — Credit & Investigation Intern

awards

2020 **Yandex MusicHack** — 2nd
Delivered a real-life product concept ready for further testing and validation for the future of social music discovery and interaction.

2018 **INFORMS OR & Analytics Student Competition** — Finalist, Honorable Mention
Accomplished to be one of the 8 finalist teams to participate at the INFORMS Analytics Conference in Baltimore, Maryland. Made a portfolio optimization by analyzing ten-year 4 weekly periods using S&P 500 data and created a unique portfolio for each period that is most profitable in terms of expected returns.

2018 **Invent Analytics AlgoRun Hackathon** — 3rd
Applied a Modified Knapsack Model for NBA Daily Fantasy Player Selection Problem. Solved it via Python using Google Optimization Tools. Built a Linear Regression forecasting method to predict missing data. Predicted the best line-up using past NBA data.

publications

Ötken, Ç., Organ, Z., Duman, E., Teksan, Z., & Kayış, E. (2019). An extension to the classical mean–variance portfolio optimization model. The Engineering Economist, 64(3), 310-321. doi: 10.1080/0013791x.2019.1636440

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about

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languages

Turkish, English, German

software

Python, PySpark, R, SQL, Matlab, Gurobi, Tableau, VBA, Latex, Git

certificates

Machine Learning, Algorithms and Data Structures in Python, International Baccalaureate

hobbies

Skiing
Djing