

Ahmet Yiğit Doğan

Senior Industrial Engineering Student

Portfolio
ayigitdogan.github.io

LinkedIn
[/ayigitdogan](https://www.linkedin.com/in/ayigitdogan)

Email
ayigitdogan@gmail.com

Education

Sep 2018
- Jan 2024

Boğaziçi University

Bachelor's Degree | Industrial Engineering, Istanbul

Courses: Object Oriented Programming, Data Structures & Algorithms, Probability, Statistics, Operations Research, Data Mining, Time Series Analysis, Enterprise Information Systems, Systems Simulation, Nonlinear and Stochastic Optimization

Apr 2023
- Sep 2023

Technical University of Munich

Exchange Semester | Management & Technology, Munich

Courses: Health Care Operations Management, Machine Learning for Graphs and Sequential Data, Machine Learning for Regulatory Genomics, Managing Challenges in the BioTech Industry

Sep 2013
- Jun 2018

Cağaloğlu Anatolian High School

High School Diploma | Math & Science, Istanbul

The first year was the German language preparatory class. Passed DSD2 German Language Test of German Ministry of Culture with the score C1.

Experience

May 2023
- Oct 2023

TUM Chair of Traffic Control

Research Assistant, Munich

Input data preparation for the microscopic traffic simulation model. Main tasks:

- Data extraction from drone recording logs and manipulation of the parsed data
- Mathematical modeling for the inference of the simulation parameters

Feb 2021
- Oct 2022

Roche

Data Analyst, Istanbul

Worked as a member of an international squad. Main tasks:

- Data analysis and visualization (Tableau, MS Excel, QlikSense, Google Analytics)
- Data preprocessing (SQL)

Sep 2018
- Jun 2021

Compec

PR Team Leader, Director of Technology, Board Member

Voluntary experience at the IT Club of Boğaziçi University. Mostly worked on branding and organization of tech events.

Skills

- **Domain Knowledge**

Machine Learning, Bioinformatics, Operations Research

- **Programming, Query & Markup Languages**

C++

SQL (SQLite, Oracle SQL, MySQL)

Python (pandas, Matplotlib, Seaborn, scikit-learn, PyTorch, Biopython, PuLP)

R (ggplot2, dplyr, caret, e1071, R Shiny, Bioconductor)

Markdown/LaTeX

- **Software**

Data Analytics: Tableau, MS Excel, QlikSense, ThoughtSpot

Simulation: Arena

Design & Video: Adobe Illustrator, Adobe Photoshop, Adobe Premiere Pro

- **Languages**

Turkish (Native), English (Fluent), German (Fluent)

Interests

- Comics, world cinema, track and field