

**EMPLOYMENT**

Data Engineer	Senkron Energy Digital Services	July 2024 – current
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- Senkron.Energy Digital Services B.V., a startup of Enerjisa Üretim, is based in Amsterdam and aims to play an active role in the global transformation of the energy sector.
- Designing custom IoT modules to gather and process sensor data from various energy companies, implementing optimal workflows, and exploring innovative technologies for enhanced edge-computing processes.

Data Engineer	Enerjisa Üretim	Feb 2024 – July 2024
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- Implemented Redis databases to store and access power plant data, and custom IoT modules were created on Azure for advanced data management and retrieval.
- Managed data retrieval from OPC servers, processed events on NiFi, and developed APIs to optimize the data pipeline for efficient storage and access.

Retail Analytics, Intern	Migros Ticaret A.Ş.	Oct 2023 - Jan 2024
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- Analyzing the stock efficiency of stores and the effect of promotional periods on store stocks and sales.
- Automation of the algorithms that are used for stock distribution to stores.

Advanced Data Analytics, Intern	SabancıDx	May 2023 - Oct 2023
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- Developed a forecasting algorithm to predict global market prices for the tire industry using machine learning techniques.
- Conducted research on economic indicators and commodity prices, cleaning and analyzing data for model refinement.

Cyber Security, Intern	SabancıDx	Nov 2022 - May 2023
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- Specialized in data privacy, data loss prevention (DLP), transparent data encryption, and XDR technology.
- Installed HSM clustering and conducted high availability tests, primarily working on information security topics.

EDUCATION

Istanbul, Turkey	Yildiz Technical University
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- B.S. in Mathematical Engineering. Graduation GPA: 3.25
- Thesis: Machine Learning Integration with Multi-Criteria Decision Making (Applications on BIST Stock Exchange)
- Courses: C/C++, MVC, SQL, Algorithms and Data Structures, Flutter, Artificial Intelligence, Statistics, Numerical Analysis, Game Theory, Operational Research, Optimization Techniques, Image Processing, MATLAB.

Florence, Italy	University of Florence
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- Exchange student in Computer Engineering. (1 semester)

VOLUNTEERING

Board Member	YTU Blockchain	2021 - 2022
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- YTU Blockchain is a student club focused on blockchain technologies, I created and led the project development team.

Board Member	Erasmus Student Network	2020 - 2022
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- Former Board Member of ESN Yıldız led the IT team and the website of the organization. Participated in national events, workshops, small sessions, and assemblies.

Volunteer	Erasmus+ Youth Exchange	Kaunas, Lithuania, 2021
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- The project was aiming to increase young people's awareness and understanding of privileges and social inequalities.
- Was the group leader of six-member Turkish team in the project.

Volunteer	Erasmus+ Youth Exchange	Tallinn, Estonia, 2020
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- The project was about protecting the environment by raising social awareness through photography.

SKILLS AND TECHNOLOGIES

- C/C++, C#, Python, .NET, FastAPI, SQL, Git, Redis, Apache NiFi, Docker.
- Linux, Microsoft Azure, IIoT, OPC UA, OPC XML, Modbus, DLP, XDR.