

Barbaros Isik

11 Jan 1999

Msc Computer Science: Data Science

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Summary

MSc Computer Science graduate specializing in Data Science, NLP, and Recommender Systems. Experienced in machine learning, LLM fine-tuning, multi-agent reinforcement learning, and front-end development. Background spans freelance full-stack development, enterprise monitoring/automation, and AR/VR prototyping. Passionate about applying data-driven methods to real-world systems.

Experience

Freelance Front-end Developer

Jun 2018 - Jun 2023

In the first year of my bachelors, I received training in front-end and web development and began working directly with customers. Since then, I have collaborated with more than nine clients, preparing and maintaining various websites while carrying out all stages of these projects independently or with small teams. Some of my still-active projects are listed in the "Freelance Projects" section.

- Tech stack: **JavaScript, HTML, CSS, ReactJS, AngularJS, Git/GitHub.**

Konsalt, Istanbul - Associate Monitoring & Automation Admin

Apr 2023 - Aug 2023

Before embarking on my master's degree at Leiden University, I gained valuable professional experience at KONSALT, a software consultancy firm in Istanbul that caters to large-scale companies across sectors. As part of their Dynatrace team, I served as both a technical consultant and a system architect. This role exposed me to supporting major Turkish corporations such as Turkcell, Borusan, SunExpress, and Allianz, honing my technical support skills and business insights. The experience enriched my ability to deliver precise, data-driven solutions within the corporate landscape.

- Tech stack: **Dynatrace, anomaly detection dashboards, automation workflows, Python.**

CODEO, Istanbul - Unity MARS Intern

Jul 2021 - Sep 2021

I interned at Codeo on Unity's AR and VR plugin, Unity MARS. During this time, I developed an AR Yacht Configurator using C# in Unity MARS during the project preparation phase, and Swift for the mobile integration process. This internship helped me significantly improve my technical skills with Unity, Unity MARS, C#, and Swift.

- Tech Stack: **Unity, Unity MARS, C#, Swift**

OBSS, Istanbul - Atlassian Department Intern

Jul 2018 - Aug 2018

My first work experience was an internship in the Atlassian Department at OBSS. During this internship, I worked on projects involving Atlassian JIRA customization and learned how professional software development processes are run in large-scale enterprises. I also gained valuable insight into the operation and professionalism of OBSS as a company.

- Tech Stack: **Atlassian JIRA, Agile workflows, DevOps practices.**

Education

Leiden University 2023-2025

- **MSc, Computer Science (Data Science)**

Yeditepe University 2018-2022

- **BSc, Management Information Systems**

Skills

- **Programming:** Python (ML, NLP, Recommenders), Java, JavaScript, C++, C#, Swift, Kotlin.
- **ML/AI:** PyTorch, Hugging Face, Recommender Systems, RL (PPO, MAPPO), Multi-Agent Systems.
- **Data Science:** SQL, Pandas, NumPy, Visualization (Matplotlib, Seaborn), Evaluation Metrics.
- **Tools:** Git/GitHub, Docker, Unity, JIRA.

Freelance Projects

- nrthllc.com
- sarackablo.com.tr
- mugesan.com.tr
- ankabutik.co
- boatoss666.com

Certificates

- Fortinet NSE 1 \& NSE 2
- Coursera - Swift 5 Programming
- Udemy - Machine Learning with Python
- Udemy - SAP DMS

Additional

Interests: Programming, Data Science Research, Sailing, Skiing