

BEYZA YILDIZ

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EDUCATION

MEF University (100% English with ABET Accreditation, 75% Scholarship) **Istanbul, TR**
Computer Engineering 2020-2025

Thesis I: Churn Prediction, Recommendation Engine, and Chatbot Designs in Video Streaming Services Industry

Thesis II: Benchmarking LLMs and Transformer Architectures on Turkish Coreference Resolution

Relevant Coursework: Artificial Intelligence, Introduction to Machine Learning, Computer Vision, Human-Computer Interaction, Introduction to Natural Language Processing.

Kadir Has University **Istanbul, TR**
Physics – Prof. Dr. Nihat Berker 2016-2020

Pursued university-level physics courses and research under Prof. Dr. Nihat Berker while still attending high school.

Thesis I: Phase Transitions in Fractal Scaling Value

Relevant Coursework: Augmented Mechanics, Electricity and Magnetism, Physics of Solids, Quantum Mechanics, Statistical Physics, Phase Transitions and Renormalization-Group Theory.

Yüksel İlhan Alanyalı Fen Lisesi **Istanbul, TR**
STEM, Math&Science 2015-2019

Awards: Received many high degrees in national and international Intelligence and Mathematics Games Competitions from 2017 to 2019. TÜBİTAK National Physics Olympiad, 3rd Place.

SKILLS & INTERESTS

Technical: Python, C#, Basic C/C++

Machine Learning & Deep Learning: Experienced with TensorFlow, PyTorch, scikit-learn, HuggingFace Transformers etc.

Data Analysis: Experience with Pandas, NumPy, Matplotlib, Jupyter, Streamlit etc.

Game & Simulation Tools: Unity (C#).

Tools & Platforms: Git, Github, PyCharm, Rider, VS Code, Jupyter Notebook, Google Colab.

Database & Backend: SQL

Operating Systems: Linux

Others: Affinity Designer, Orca Slicer, Repetier-Host Arduino, Reaper, PhotoWorks, Blender, FreeCAD, etc.

Language: English (Advanced), Spanish (Duolingo-A1), Turkish (Native).

Interests: Strategic Games & Puzzles, Mind Games, Theater & Performance, Cooking, DIY & Handicraft, 3D Creative Design & Prototyping, Podcasting, LEGO Building, Playing Computer Games, Popular Science.

EXPERIENCE

ICRYPEX **Istanbul, TR**
AI/ML Engineering Intern 2025, (2 months)

Built NFT recommendation engine to improve user experience by experimenting with different algorithms using Python, C#, Pinecone, and Postman.

Green Chimneys **New York, USA**
STEM Specialist, AI/ML Engineer 2024, (4 months)

Developed interactive STEM programs using hands-on materials to engage students in experiments. Applied AI engineering skills using Python, Jupyter, and Google Colab to enhance educational activities.

Presidency of Türkiye, Digital Transformation Office - Big Data & AI Dept.

Ankara, TR

AI/ML Engineering Intern

2023, (2 months)

Tested various face recognition technologies including FaceNet, DeepFace, and Google Cloud Vision API, and continued development using OpenCV and MIT Face Recognition for an assistant robot. Implemented speech-to-text features with Google Speech-to-Text and applied deep learning and machine learning techniques to resolve potential issues.

DogGO

Istanbul, TR

Backend Developer Intern

2022, (1 month)

Contributed to backend development for the DogGO app using Android Studio, Scala, and Cassandra.

MEF University

Istanbul, TR

Undergraduate Teaching Assistant – Programming Studio Labs (2024-2025 Spring)

Supported students in Python and other programming labs, helping debug code and apply core concepts.

Undergraduate Teaching Assistant – Digital Systems Design Labs (2023-2024 Fall)

Assisted students in designing, testing, and troubleshooting digital circuits using Logisim, breadboards, and Armv9.

Technology Transfer Office Student Assistant (2021–2023)

Contributed to software teams on university projects with national and international partners.

Kadir Has University

Istanbul, TR

Course Assistant – Augmented Mechanics

2018, (1 year)

Assisted Prof. Dr. Nihat BERKER in course labs after completing the course with high grades.

LEADERSHIP & ACTIVITIES

TEKNOFEST – Tourism Technologies, 2nd Prize (2021)

Contributed backend and frontend development for the DigiChef Mobile App, designed to reduce food waste through a virtual open buffet and enhance user experience.

MEF Dynamics (2021–2023) - Founding team member; collaborated on projects and competitions.

IEEE Computer Society, Vice-Chair (2020, 6 months) - Led team initiatives and supported society events.

MEF Theatre (2020–2025) - Performed as actress and contributed to musical recordings.