Kaan Hacıhaliloğlu

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in *kaanhho*
○ *khdoex*

Objective

Data Scientist with a background in physics and machine learning, passionate about developing innovative solutions.

Experience

2020–2022   **Research Assistant**, *Bogazici University*
Developed machine learning algorithms for seismic data, enhancing earthquake detection. Contributed to research on arXiv (arXiv:2407.18402). Mentored 5 junior researchers.

2021–2022   **Teaching Assistant**, *Bogazici University*
Conducted QA sessions for Numerical Methods students, focusing on practical applications of NumPy, SciPy, and Matplotlib.

Aug 2022–Feb 2023   **Intern, Data Analytics**, *Allianz TR*
Automated Excel processes with Python, streamlining report generation and reducing processing time. Created dashboards.

Jan 2023–Jul 2023   **Intern, Process Mining**, *Allianz TR*
Optimized processes using Celonis; developed dashboards for enhanced operational insights.

Jul 2023–Sep 2023   **AI Engineer Intern**, *Live The World*
Created a content generation pipeline with NLP tools; improved web scraping and Python skills.

Education

2018–2023   **B.Sc. in Physics**, *Bogazici University*
Graduated with a GPA of 3.04. Relevant coursework: General Relativity, Machine Learning. Led the Science Club.

2023–2024   **M.Sc. in Computer Science**, *University of Padua*
Completed coursework in AI and deep learning. Dropped out for pursuing other opportunities that aligned better with my career goals.

Projects

- **Earth-ML**: Enhanced time series classification through advanced techniques.
- **TÜBİTAK 2209-A**: Developed a model for earthquake detection, improving accuracy.
- **"Burası" Art Exhibition**: Created a representation using seismic data, merging art and science.
- **Kaggle Competition**: Achieved 8th in "Türkiye İş Bankası ML Challenge 5" using effective feature engineering.

Skills

- **Programming:** Python, SQL
- **Version Control:** Git
- **Web Development:** Django, FastAPI, Celery
- **Machine Learning:** XGBoost, CatBoost, LightGBM
- **Deep Learning:** PyTorch, TensorFlow
- **AI Techniques:** OpenAI API, LangChain
- **Libraries:** NumPy, SciPy, Matplotlib

Languages

- **Turkish:** Native
- **English:** Professional

Certifications

- **Quantum Computing (Bronze):** QTurkey
- **Excellence in Audio Course:** Hugging Face
- **Process Mining:** Celonis Academy
- **Building RAG Agents:** NVIDIA Deep Learning Institute