

Yasar Efe Pekgoz

Work permit: Graduate Visa | **Place of birth:** Istanbul, Turkey | **Nationality:** Turkish | **Phone:** (+44) 7455275340 |
Email: efe.pekgz@gmail.com | **Website:** www.efepekgoz.dev | **LinkedIn:** <https://www.linkedin.com/in/efepekgoz/> |
Github: <https://github.com/efepekgoz/> | **Address:** Guildford, Surrey, GU2 7JW, United Kingdom (Home)

ABOUT MYSELF

Recent Artificial Intelligence graduate looking for an entry-level Data Analyst position. I have developed strong data analysis, problem solving, and interpretation skills through academic projects and past work experiences. I am now looking to join a market-leading organisation where I can take responsibility for the analysis and interpreting data to deliver insights that support strategic decision making.

EDUCATION AND TRAINING

02/2024 – 05/2025 United Kingdom
MSC ARTIFICIAL INTELLIGENCE University of Surrey

Natural Language Processing
Applied Machine Learning
Advanced Topics in Computer Vision and Deep Learning


Final grade 69/100 Merit | **Thesis** Deep Learning Based Drug Repurposing for Colorectal Cancer Treatment

08/2018 – 07/2022 Turkey
BENG COMPUTER ENGINEERING Tekirdag Namik Kemal University

Python Introduction to Programming
Database Management
Probability and Statistics


Final grade 3.03/4, Honor Graduate | **Thesis** 3D Video Game for English Learning & Calorie and Fitness Tracking App for Mobile

WORK EXPERIENCE

 **ARVIS TECHNOLOGY – ISTANBUL, TURKEY**
DEEPTech/AI RESEARCH & DEVELOPMENT INTERN – 06/2023 – 07/2023

ArVis Technology is a deep learning company based in Teknopark Istanbul that specialises in AI and computer vision technologies and develops modular, scalable enterprise solutions.

- Worked on an AI project that focused on integrating video games with artificial intelligence.
- Led a team of interns on a 3D Unity project that integrates LLMs into Non-player characters.
- Created 3D models using Blender.
- Presented the project to officials and investors in Teknopark Istanbul during DemoDay 23'.

 **PEKGOZ LAW FIRM – ISTANBUL, TURKEY**
IT SUPPORT TECHNICIAN – 07/2022 – 05/2023

Pekgoz Law is a local law office based in Istanbul, Turkey.

- Installed, configured, and maintained software applications, including operating systems and office productivity softwares.
- Conducted maintenance and updates for workstations.
- Assisted in the deployment of new hardware.

PROJECTS

09/2024
Deep Learning Based Drug Repurposing for Colorectal Cancer Treatment

- Engineered a deep learning pipeline for in silico drug repurposing, leveraging DeepPurpose framework.
- Trained and fine-tuned MPNN, CNN, and molecular fingerprint-based models for drug-target interaction prediction.

Link <https://github.com/efepekgoz/DeepPurpose>

05/2024

NLP Sequence Classification for Abbreviation Detection

- Developed an NLP sequence classification model using Bidirectional LSTM for detecting abbreviations and their corresponding long forms in scientific texts.
- Experimented with multiple word embedding techniques, including GloVe and FastText.

Link <https://github.com/efepekgoz/nlpbio>

03/2024

Heart Murmur Detection from Phonocardiogram Recordings with Machine Learning

Designed and implemented an AI pipeline for detecting heart murmurs from phonocardiogram recordings using deep learning-based audio classification.
Processed raw heart sound recordings by segmenting heartbeats and transforming them into Log-Mel spectrograms and STFT spectrograms for enhanced feature representation.
Experimented with various architectures, including CNNs, RNNs, and regression-based models to compare and optimize performance. Write here the description...

Link <https://github.com/efepekgoz/murmur>

VOLUNTEERING

02/2019 – 05/2022

University Esports Community: Founder and President

- Founded and administrated NKU Esports Community.
- Oversaw the managerial duties of the school team in intercollegiate organisations.

02/2019 – 05/2022

Riot Games: Campus Ambassador

- Organised local and intercollegiate esports events and tournaments.
- Promoted Riot Games' products and games through activities and tournaments.

SKILLS

Technical

Python | PyTorch | Numpy | Pandas | SQL | C# | Javascript

Tools

PostgreSQL | MS Office | Tableau | Unity | Blender | Adobe Photoshop

Personal

Leadership | Adaptability | Communication

LANGUAGE SKILLS

ENGLISH C1, IELTS 7.5

TURKISH Native

FRENCH A2, DELF