Orkun Sefik

Artificial Intelligence Graduate

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PROFESSIONAL EXPERİENCE

Artificial Intelligence Intern – 2025

Center for Neurogenomics and Cognitive Research (CNCR)

- **Developed** a cell type classification **model** from scratch and **increased** the **accuracy by 24%,** reaching **92%**.
- Collaborated with a **multi–disciplinary** team to **accurately impute** biological data.
- Contributed **signigicantly** to the project over the **5 month internship** period.

Teaching Assistant – 2023 / 2025

Vrije Universiteit Amsterdam

- **Introduction to AI – 2023/24 & 2024/25**
- **Computational Thinking – 2023/24 & 2024/25**

  - **Actively taught** course material in practical classes and work groups.
  - **Guided** the **students** in their projects, gave feedbacks.
  - **Graded assignments / projects.**

International Student Ambassador – 2023 / 2025

Vrije Universiteit Amsterdam

- Participated in presentations and events as the **faculty representative**

EDUCATION

Vrije Universiteit Amsterdam – 2022 / 2025

BSc Artificial Intelligence with Honours Distinction

- GPA: **7.7 / 10**
- Graduated with **Honours Distinction**
- Thesis on **Classifying Mouse Brain Neurons** while **preserving biological meaning**:
  - Thesis Grade **9 / 10**.
- **Minor** in Brain and Mind (**Neuroscience**).

Saint Benoit French High School – 2017 / 2022

Turkish High School Diploma, French Baccalaureate equivalency, with Distinction

- GPA: **93.9 / 100**
- Graduated with **Distinction**
- **Trilingual** Education

VOLUNTEERING

Board Member, Head of IT Committee – 2025

ANKA Student Association

- Managing the organization's **digital infrastructure**, and the **database** consisting of **300+ members.**
- Actively participating in **meetings with government officials** and business professionals.
- **Securing** fixed **internship positions** for students.

Live Translator – 2024

International Broadcasting Convention (IBC)

- **Translated business communications** of Turkish Companies.

PROJECTS

The most important projects can be Found on my Github profile or on my Website:
Github: https://github.com/sefkk
Personal Website: https://orkunsefik.dev

SKILLS

Programming Languages:

Python, R, MATLAB, HTML, CSS, Javascript (Typescript), Prolog, MARBEL, SQL, Bash/Shell Scripting

Frameworks & Tools:

Docker, Cursor, OpenSesame, Ollama, Anaconda, Homebrew, Flask, Node.js, MongoDB, DialogFlow, Protégé, Render

Machine Learning & Data Science

Algorithms: Supervised & Unsupervised Learning, Ensemble Methods, Transfer Learning
Deep Learning: Neural Networks, CNNs, RNNs, LSTMs, Transformers (RoBERTa, BERT)
NLP: NER, Text Classification, Sentiment Analysis
Model Optimization & Explainability: Hyperparameter Tuning, SHAP, LIME
Tools: Python Libraries (scikit-learn, Pandas, NumPy, SciPy), Visualization (Matplotlib, Seaborn, Plotly)

SPORTS & AWARDS

Track & Field – 2018 / 2022

- **2nd** in National Championships **100m,** U17.
- **3rd** in National Championships **100m**, U18.
- **2nd** in Turkish Clubs League **100m**, U18 & U20.
- **3rd** in Turkish Super League **4x100m**, Senior Category.

Flag Football 2019 / 2020

- Turkish **National Champion**, played as a **Running Back**. **Scored 20 of the 72** points the team scored.

REFERENCES

Fatma Ceren Yazgan – Ambassador of the Republic of Türkiye to the Kingdom of the Netherlands
fatmacerenyazgan@icloud.com

Christiaan de Kock – Associate Professor at Vrije Universiteit Amsterdam - Former Manager & University Lecturer
c.p.j.de.kock@vu.nl

LANGUAGES

Turkish – Native Language

English – CEFR Level C1 (IELTS 7.5)

French – CEFR Level B2 (DELF B2)

Dutch – CEFR Level A1