

Orkun Sefik

Artificial Intelligence Graduate

Phone: +31 6 27 58 95 29

Email: orkunsefik@gmail.com

Github: <https://github.com/sefkk>

Address: Tommaso Albinonistraat 136, 1083 HM,
Amsterdam, The Netherlands

Linkedin: <https://www.linkedin.com/in/orkunsefik/>

PROFESSIONAL EXPERIENCE

● 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 **significantly** 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 officials**.
- **Securing** fixed **internship positions** for students.

● Live Translator – 2024

International Broadcasting Convention (IBC)

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

PROJECTS

RESEARCH &
ACADEMIC

- **Comprehensive Text Analysis (NERC)**
Python (RoBERTa)
- **Melanoma Detector from Images**
Python (Transfer Learning)
- **Schnapsen Tactical Analysis with ML Bots**
Python
- **Conversational Recipe Helper**
Python, HTML, CSS, Prolog, DialogFlow, Marbel

PROFESSIONAL &
WORK

- **Cell Type Classification Model**
R, Python (XGBoost)
- **Website & Database – Association ANKA**
HTML, CSS, JS, SQL, Node.js, MongoDB, Render

PERSONAL

- **Path Finding Algorithms Simulator**
Python, Flask, HTML, CSS, JS

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 and University Lecturer
+31 6 42902789
c.p.j.de.kock@vu.nl

LANGUAGES

- **Turkish** – Native Language
- **English** – CEFR Level C1 (IELTS 7.5)
- **French** – CEFR Level B2 (DELFI B2)
- **Dutch** – CEFR Level A1