

Jef Gruppung

Antwerpen • jef.gruppung@gmail.com • +32484665578 • [LinkedIn](#)

Education

Karel de Grote University of Applied Science

Bachelor in Applied Computer Science, AI.

Antwerp
2024

Vrije Universiteit Brussel

Master in Computer Science

Brussels
Attending

Koninklijk Atheneum Berchem

Latin - Mathematics

Antwerp
2018

Experience

The Lab project for the VUB, KdG

Python Developer

Antwerp
2024-2025

- Collaboration with 2 full-stack students commissioned by the VUB
- Project to let children interact with the urban heat island effect using LEGO. The application takes a picture of a LEGO city and returns a heat map with expected temperatures.
- Developing the data pipeline in Python.
- Training an AI model using weather data
- Integrating the AI model using convolution
- Design of interactive GUI using TTKBootstrap
- Developing an external server to store results
- Configuration and Deployment on a RaspberryPi

Internship at Unikoo, KdG

AI-Developer

Antwerp
2024

- Developed an AI-chatbot for use as an HR-assistant
- Project in collaboration with another AI student
- Project management with scrum and git
- Analysis and research for a AI-chat bot using Retrieval Augmented Generation (RAG)
- Development in Python
- Integrating LLMs, Databases and vectorstores using AWS
- Deployment of the front end using the Microsoft Teams Toolkit
- Deployment of the backend in AWS

Skills & Interests

Technical: Data Science in Python (NumPy, pandas, scikit-learn, openCV, keras, Spark), Programming (JAVA, dotNET, Scheme), DBMS (MySQL, Postgres, PL/SQL, NoSQL, Neo4j)

Soft: Project Management, Problem Solving, Creative & Story Telling, Stress-resistant

Language: English, Dutch, French

Interests: Underwater Hockey, Martial Arts, Dungeons & Dragons

Additional Experience

Tutor, VUB SBC

Brussel
2026

- Tutoring students at the VUB on a one-to-one basis
- Subject matter:
 - Programming
 - Software Engineering
 - Mathematics
 - Statistics
 - Data Science and AI
 - ...

Integration Project 2, KdG

AI-Developer

Antwerp
2023

- Development for a Rummikub web application
- Project in collaboration with 4 full-stack students
- Project management with scrum and git
- Analysis and research for a Rummikub Web application
- Development of an AI model (Monte Carlo Tree Search)
- Integration of the AI model into the web application with the flaskAPI framework
- Collaboration with system and network administration students for deployment on google cloud (Docker, Kubernetes)

Hockey Club Olympia

Barpersonnel, Job Student

Antwerp
2019-2022

- Operating the canteen independently or as part of a team
- Training new job students
- Supervising volunteers

Antverpia VUB

(Social) Media Manager

Brussels
2019-2022

- Responsible for social media and the website
- Managing, training and supervising the rest of the media team.
- Develop and deploy renewed website with HTML, CSS and JavaScript