



TEUN HERMANS

About Me

Aspiring data scientist currently pursuing a Master's in Data Science for Decision Making at Maastricht University. Passionate about leveraging big data algorithms and using tools to create dashboards and applications to make it more clear.



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teunhermans.github.io

LANGUAGE

- Dutch (mother tongue)
- English
- German (basic understanding)

SOFT SKILLS

Communication skills, teambuilding, scrum and agile work principles.

EXPERIENCE

Student Assistant at Maastricht University 2024-2025

- Collaborate on a blockchain platform for ML models, contributing to code optimizations and feature enhancements. Application built using fastAPI for users to create accounts for the platform with multi-step verification sign-in.
- Working as a tutor for third year Data Science students, checking assignments and answering questions from students.

Intern at Algemene Rekenkamer (Netherlands Court of Audit)

The Hague

September 2024 - January 2025

An internship during my masters studies in Maastricht. Interning at the DataHub, a part of the organisation that focuses on Data analysis. I helped development of tools within the organisation as well as looking at budget prediction models for the Central Agency for the Reception of Asylum Seekers. To do so, I processed public data from rijksfinancien using Python.

Supervisor at Albert Heijn Weert/Maastricht

2020-present

I got promoted to supervisor at Albert Heijn after working there for 3.5 years. I worked at two different stores as I moved to a dorm when I started studying.

TECHNICAL SKILLS

Programming Languages: Learned to program with the start of my bachelors in Java. During my coursework and projects, developed a strong preference for Python. In my internship, learned to create dashboards using Shiny and R markdown.

Data Science Tools: Experienced in using advanced machine learning algorithms, data mining, and mathematical optimization. Knowledge graphs and using SQL queries to retrieve useful information.

As student assistant, I used libraries such as Kafka and fastAPI to test techniques that could later be applied to the platform. I simulated the environment in Docker and kept a Github repo up to date to report back to my supervisor..

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EDUCATION

Maastricht University

Master Data Science for Decision Making

2023-2025

Thesis: "Sequential Price Of Anarchy and Price of Stability In Machine Scheduling Games".

For this thesis, we find the permutation guaranteeing the optimal solution for scheduling on two unrelated machines.

Coursework included: algorithms for big data, data mining, mathematical optimization, and advanced machine learning concepts.

Maastricht University

Bachelor Data Science and Artificial Intelligence

2019-2023

Thesis: "An Experimental Study on the Integrality Gap of Random Linear Programs."

Experimented with the ratio between the optimal solution and the relaxation of optimization problems.

Coursework included: (Theoretical) Computer Science, Databases, Data Analysis, Operations Research, Software Engineering and Human Computer Interaction

City University of Hong Kong

Exchange Semester in Computer Science

2021

Courses: Multivariable Calculus, Software Testing and Maintenance, Problem Solving and Programming



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