

Jasper De Landsheere

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Education

Vienna University of Technology

M. Sc. in Data Science, GPA 1.7 (1 highest, 5 lowest)

Specialization: Machine Learning and Statistics

Vienna, Austria

October 2022 – Present

Ghent University

M. Sc. in Bioscience Engineering Technology, GPA: Magna Cum Laude

Thesis title: Data-driven prediction of pharmaceutical granules' size

B. Sc. in Bioscience Engineering Technology

Ghent, Belgium

September 2021 – July 2022

September 2018 – July 2021

Experience & Projects

Lumos Student Data Science Consultancy

Data Science Consultant - Siemens

- Developing a software tool to automate energy reports.
- Designed an OOP-solution to efficiently process timeseries data, detect outliers, and generate Word documents to showcase visualised outliers using Python.
- Implemented a user interface for the application and deployed on Microsoft Azure.

Vienna, Austria

February 2024 – Present

Data Science Consultant - Client in energy sector

- Designing and developing a software tool for automatically collecting subsidy information.

June 2023 – August 2023

Vienna University of Technology

Student Researcher

- Working on a generative adversarial network to generate novel molecular structures.
- Training different models on a GPU cluster and using PyTorch and JAX to compare existing generative methods.
- Paper currently under review.

Vienna, Austria

February 2024 – Present

Ghent University

Master Thesis Student

- Implemented a validated ML framework for predicting particle size distributions using kernel mean embedding.
- Grade: 18/20, highest obtained grade amongst fellow graduates.

Ghent, Belgium

September 2021 – June 2022

Skills

Tech stack: Python, R, SQL, Scikit-learn, NumPy, Pandas, PyTorch, JAX, Docker, Slurm, Git, Unix

Languages: Dutch (native), English (full professional proficiency), German (limited working proficiency)

Leadership & Activities

Lumos Student Data Science Consultancy

Head of Academy

- Leading a team of 6 student consultants to organise data science workshops and talks.

Vienna, Austria

February 2023 – Present

AFS Intercultural Programs

Volunteer

- Organising events, advising host families and assisting incoming exchange students.

West-Flanders, Belgium

August 2017 – July 2019