



Jade Lejeune Herman
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Jade LEJEUNE HERMAN

Master of Science in Statistics and Data Science student

Personal Statement

About Me As a passionate girl in Science and Technology, I earned a Bachelor of Science in Engineering Computer Science, Electricity and Electronics at the age of 15. Currently, I am pursuing a Master of Science in Statistics and Data Science. Additionally, I have a strong affinity for artificial intelligence, computer science and mathematics. My educational journey has been atypical, as I entered the University at the age of 12. My goal is to further develop my knowledge and expertise to pursue specialized research programs in these fields.

As a girl, I want to help make science more diverse and open because I believe that greater diversity leads to greater innovation.

Education

September 2023 - Present, KU Leuven, Leuven

Master of Science in Statistics and Data Science (91/120 ECTS)

Theoretical Statistics and Data Science

International Program fully taught in English

Royal Statistical Society (RSS) accredited program (rss.org.uk)

Master's Thesis presented in September 2024

"Exploring Large Language Models for analyzing safety data" conducted in collaboration with the European Aviation Safety Agency (EASA)

Awarded a grade of 18/20

Promotor : Professor Jan de Spiegeleer

Copromotor : Leopold Viroles (EASA) and Guillaume Soudain (EASA)

Jury : Professor Jan de Spiegeleer, Professor Jan Aerts and Professor An Carbonez

July 2024, EASA

In the frame of the Master's Thesis, publication of an internal EASA paper on the "Use of AI at work"

November 2023, SAS

SAS Certified Specialist : Base Programming using SAS 9.4 (Score : 967/1000)

October 2023, L'Oréal Foundation for Women in Science

Recognition of my atypical journey in Science

Access to the dedicated Coursera training platform of the Foundation

Exchanges with the director of the L'Oréal-Unesco program for the Women in Science

September 2020 - June 2023, University of Liege, Liege

Bachelor of Science in Engineering (180/180 ECTS)

Computer science - Electricity and electronics

Cum Laude

2020, General admission exam and special admission exam for the Bachelor of Science in Engineering, University of Liege, Liege

Trigonometry and numerical calculation, Analytic and synthetic geometry, Algebra and Mathematical analysis

French, English, Geography, Physics and Chemistry

2018 - 2020, SFX1 College, Verviers

CE1D - Secondary School

Dutch immersion classes



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Skills

Theoretical background

Computer science, Artificial Intelligence (Machine Learning, Deep Learning, Supervised and Unsupervised Learning, Data Mining, Big data analysis, Large Language Models), Stochastic methods and Statistics, Econometrics, Survival analysis, Electricity and electronics, Engineering...

Programming

Python, PHP, Java, SQL, Scala, Assembly, R, Matlab, SAS and C

Libraries

Numpy, Pandas, Matplotlib, Scipy, Pysam

Communication

MS Office, Latex, Github, HTML, CorelDraw, Photoshop, Adobe Illustrator

Languages

French : Native

English : \geq CEFR level B2 (certified in June 2023)

Dutch : Basic

Arts

2024 - present, Academy of Fine Arts, Verviers

Infography

2015 - present, Verviers Conservatory, Verviers

Piano instrumental lessons (F1 to F5, advanced level T1 to T5)

Liege piano competition (2018)

Concert "Les Musicales Guillaume Lekeu" (2017)

Numerous performances and concerts

2018 - present, Verviers Conservatory, Verviers

Instrumental chamber music

2019 - 2021, "Hubert Keldenich" academy, Welkenraedt

Violin instrumental lessons (F1 to F4)

2014 - 2021, Verviers Conservatory, Verviers

Music lessons (F1 to F4, advanced level T1 to T3)

Also, Verviers Conservatory, Verviers

Classical dance and theater classes

Awards

2020, General admission exam and special admission exam for the Bachelor of Science in Engineering at the University of Liege

First student in Belgium to present and pass successfully the general admission exam and the special admission exam for BSc in Engineering studies at the age of 12

Interests

Professional

AI, Data analysis, Computer science, Mathematics, Sciences and Stock Market

Sports

Climbing, Athletics, Aikido, Badminton, Water sports

Personal

Piano, Music, Reading, Chess