

Thijs Stessen

MSC AI

ABOUT ME

I completed my Master in AI at the University of Amsterdam, completing my thesis at the Amsterdam UMC. During my studies I took on additional challenges such as following an honours program. Moreover, during my bachelor in AI I completed two minors in addition to my major, graduating cum laude. Finally, I have published two papers to top-of-the-line AI conferences during my studies.

PUBLICATIONS

Apr 2024, MLRC2023 @ NeurIPS

“[RE] GNNINTERPRETER: A PROBABILISTIC GENERATIVE MODEL-LEVEL EXPLANATION FOR GRAPH NEURAL NETWORKS”

University of Amsterdam

- Co-authored an MLRC reproduction paper that was published at NeurIPS, the leading scientific AI conference.
- Recreated the original codebase and experiments using python, pytorch and the Snellius supercomputer
- Evaluated the original results, investigating if they were general or only held in specific test cases by the addition of new experiments.
- Contributed to scientific discourse by providing criticism backed up by rigorous proof

Jul 2024, ICML

“EFFECT OF EQUIVARIANCE ON TRAINING DYNAMICS”

University of Amsterdam

- Co-authored a paper, accepted at one the leading international AI conferences, investigating an unexpected phenomenon in Deep Learning architectures that use geometric symmetries.
- Analysed metrics that measure the development of Deep Learning models during training
- Performed experiments on new datasets that were uploaded for the wider scientific community
- Presented our findings at the conference in Vienna

PROJECTS

Sep 2025 – Mar 2026

AI MASTER THESIS: “A STUDY INTO USING ML FOR FAST SIMULATIONS OF ISCHEMIC STROKE TREATMENT”

Amsterdam UMC



CONTACT & INFO

Born in march 2002 in Den Bosch.

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<https://github.com/MeneerTS>

PROFICIENCIES

Python, Pytorch - ★★★★★

Machine Learning - ★★★★★

Deep Learning - ★★★★★

Reinforcement Learning - ★★★★★

Computer Vision - ★★★★★☆

NLP - ★★★★★☆

C#, R - ★★★★★☆

Databases, SQL - ★★★☆☆

CERTIFICATES

Cambridge Advanced English (C1), Cambridge University

Dutch (native)

Driver's Licence B

- Investigated the use of Deep Learning to speed up computer simulations of medical treatments to enable better treatment selection.
- Worked together with UMC simulation researchers to facilitate the construction of novel datasets, which are used for further research.
- Bridged the gap between AI, Medicine and Physics to enable the application of Deep learning in an interdisciplinary research setting.

EXPERIENCE

2022-2023

ICT – WORKPLACE SUPPORT

St. Antonius Hospital

- Supported medical staff by maintaining workplace IT systems and guiding them through troubleshooting.
- Collaborated with colleagues to install new equipment and perform system updates

2020-2021

TEACHING ASSISTANT AI

Utrecht University

- Taught first year students programming fundamentals in C# and the core concepts of AI
- Guided students through practical assignments, answered questions and adjusted my lessons based on feedback.

EDUCATION

Sep 2023 – Mar 2026

MSC ARTIFICIAL INTELLIGENCE

University of Amsterdam

I focused my courses on Machine and Deep Learning, I also completed advanced courses in RL, robotics and NLP/LLMS.
GPA: 8.0

Sep 2019 – Feb 2023

BSC ARTIFICIAL INTELLIGENCE

Utrecht University

I chose the technical Agents track of the bachelor. My thesis focused on Reinforcement Learning.
GPA: 8.4 (Cum Laude)

DESCARTES HONOURS PROGRAM

Utrecht University

- Followed a two year interdisciplinary Honours program.
- Worked together with students from all over the university, outside my bubble.
- Attended weekly lectures from experts in a wide range of fields, from law to robotics.

MINOR THEORETICAL PHYSICS

Utrecht University

MINOR COMPUTER SCIENCE

Utrecht University

OTHER ACTIVITIES

2022-2026

I am active at the student handball association Beertje. There I was in charge of the budgeting for the sports tournament that we were organising. This event attracted fellow student teams from all over the country (and outside) and had over 150 participants. In addition, I am following the program to become a national referee.

2019-2023

USCKI Incognito

I was part of various commissions at my study association. I organised activities for the first-year students, was a mentor for new students during my second year and I made posters to promote activities.

HOBBIES

I play in the handball competition team of my association. It's a lot of fun to play together with my team! I also enjoy reading in my free time.

Finally, I like to play some rock classics on my acoustic guitar.