

Caetano Marcio Monderen Milera

Student

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🎓 EDUCATION

09/2021 – 08/2025 Brussels, Belgium	Bachelor Artificial Intelligence Vrije Universiteit Brussel
01/2018 – 03/2018 Tarrytown, New York, United States	Exchange trimester EF EF (Education First exchange for academic English)
Mechelen, Belgium	High School Science and Mathematics Sint Rombouts College

📁 NOTABLE PROJECTS

Agend Based System for Grid Packing

Skills: Agent Based Systems, Statistics , Python(pandas, numpy, seaborn, . . .)

- Engineered an Agent-based system to simulate an optimised organisation grid where robots(agents) hover across a grid to sort, place and retrieve a list of items. This model was made for real-life applications where warehouses / industrial storage rooms and supermarkets can be fully automated. Agents communicate with each other and use heuristics for optimised pathfinding.

Euthopia Pacman Capture the flag tournament

Skills: Heuristics, python .

- The tournament consists of a multiplayer capture-the-flag variant of Pacman, where agents control Pacman and ghosts in coordinated team-based strategies. Students from different EUTOPIA universities compete with each other through their programmed agents.

🧠 SKILLS

Machine Learning TensorFlow, PyTorch, Scikit-learn, . . .	● ● ● ● ●	Neural Networks CNN / RNN / DNN	● ● ● ● ●
Programming Python / OOP / Prolog /	● ● ● ● ●	Data Analysis Pandas, NumPy, Matplotlib, ...	● ● ● ● ●
Reinforcement Learning	● ● ● ● ●	Deep Learning	● ● ● ● ●
AI Ethics	● ● ● ● ●		

📜 CERTIFICATES

TOEFL English proficiency
C1 CEFR

LANGUAGES

English
TOEFL



Spanish
Mother tongue



Dutch
Mother tongue



French



ORGANIZATIONS

08/2021 – present
Boortmeerbeek,
Belgium

Chiro Boortmeerbeek

Leader

I serve as a group leader in a youth scouting movement, managing both administrative tasks and leadership responsibilities for a 4th consecutive year.

2018 – 2020
Lima, Peru

SSCC Belen - Misiones

Volunteering action to aid the needs of the Amazonian tribes, such as healthcare, education, sustainable development, and cultural preservation.

SOFT SKILLS

Time management

Teamwork

Adaptability

Communication

Interpersonal skills

Leadership

NOTABLE COURSES TAKEN

Foundations of language

Cognitive Psychology lecture

Roots of the AI

Machine Learning

Human-AI interaction

Discrete Mathematics

Cognitive modelling

Algorithms and Data Structures (1 & 2)

Agent-based Systems

Bayesian statistics

Multimedia Processing tools

Calculus (1 & 2) and linear algebra