Michele Vannucci

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Education

MS	**Vrije Universiteit, Amsterdam**, Artificial Intelligence	Sept 2023 – Oct 2025
BS	**University of Milan-Bicocca**, Computer Science	Sept 2019 – March 2023

Publications

Testing Emergent Bilateral Symmetry in Evolvable Robots with Vision — November 2024

Michele Vannucci, Satchit Chatterji, Babak H. Kargar

DOI: 10.5220/0012947400003837 ↗

- Received an **honorable mention** for the best paper award ↗ of ECTA 2024.
- For this project I developed the Python implementation of our **evolvable robots** with vision leveraging the pre-existing framework Revolve ↗. Furthermore, I wrote and ran the logic for the experiments. Finally, I contributed mainly to the background, methods, discussion and appendix sections.

Projects

Master Projects — github.com/michelexyz ↗

- I completed different projects as part of my Master's courses, they are all available in my GitHub ↗.
- Worthy of note are the **Reinforcement Learning** ↗, **NLP** ↗, **Knowledge Representation** ↗ and **Deep Learning** projects ↗.
- Moreover, for the Machine Learning for Graphs course I **reproduced and extended** ↗ an existing research paper on **causal discovery**.

Internships

Digital360 ↗, AI Specialist — Milan, IT — April 2023 – July 2023

- Tested the writing quality of different OpenAI models automatically generating, through their APIs, titles, summaries, tags and other elements of a Web article.
- Compiled all the generated texts, along with the prompts, models and articles used (summing up to around 300 combinations), in a tabular format to be reviewed by experts in Web article writing.
- Developed a Python program to generate a new article draft from a White-Paper PDF by **chaining multiple LLM calls**, which was later developed into a product.

Languages

Programming Languages: Proficient in Python, C#, C, Java, SQL, JavaScript, Lisp and Prolog.

Natural Languages: Bilingual in Italian (native) and English (fluent). I know basic Dutch and French.

Interests

I really like going to the **cinema**, I write and produce **music** as a hobby and I also enjoy **reading** when I find the time. Currently I'm reading *L'adversaire*(The adversary) by Emanuel Carrère and *Gödel, Escher, Bach: An Eternal Golden Braid* by Douglas R. Hofstadter.