

Victor Barberteguy

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Github : <https://github.com/VictorBbt> | [Scholar Profile](#) | [Linkedin Profile](#)

Education

- 2023-2024** **Institut Polytechnique de Paris** (Ecole Polytechnique) - 2nd year MSC&T
Majors: **Artificial Intelligence and Advanced Visual Computing – CGPA: 3.86/4.0**
Multimodal AI: Investigating multimodal LLM's fine-tuning methods to assess AI's understanding and creation of art. Validated three additional MVA classes
- 2020 – 2023** **Ecole Polytechnique** – Cycle Ingénieur, France's leading science and engineering school
Majors: **Cyber Physical Systems (AI, robotics. And systems architectures)**
Rider RL: Reinforcement Learning project (coded a 2D game in Unity and then applied RL algorithms to train an agent).
- 2018 – 2020** Lycée Montaigne (Bordeaux) Preparatory classes in Mathematics, Physics and Engineering Sciences (MPSI – PSI*), an undergraduate intensive course in science

Work Experience

- 2025** **Co-advised PhD student at Google Deepmind and Imagine Group (ENPC), France**
- PhD in Multimodal Agentic AI
 - Under the supervision of Gül Varol, Cordelia Schmid, Mathilde Caron, Ahmet Iscen
- 2024** **6-month as Visiting Graduate Researcher at Computer and Cognitive Science Lab at MIT, Cambridge, USA**
- LLM-Based cultural transmission for learning drawing skills. Created an architecture to generate LLM-equipped, intrinsically motivated agents
- 2023** **5-month internship at CNRS-AIST Joint Robotics Laboratory in Tsukuba, Japan**
- Developed a method to learn manipulation task through teleoperation for humanoid robots, wrote an article that was accepted at the SII 2024 conference in Vietnam
- 2022** **3-month internship at TAG Heuer (subsidiary of Maison LVMH) in Switzerland**
- Developed a software for governance and risk management
- 2020-2021** **7 months as a Second lieutenant the Army**

Additional skills

- Language** **French** Native **English** Advanced (C1-level, TOEFL: 105/120)
Spanish Intermediate (B2-level) **Japanese** Beginner (A2-B1 level)
- Computer Skills** Programming with Python, C++, C#, SQL, C
Libraries for Machine Learning: PyTorch, JAX, NLTK, scikit, Optuna, MLagents

Activities and interests

- School involvement** **Representative of the tennis section:** intermediate between the 35 students of the section and the military hierarchy of École Polytechnique
Polytechnique's Welcome Week
- Traveling** **Part of the MIRAI project** a program with Japan to promote mutual understanding
- Hobbies** **Tennis** (Regional level, captain of Polytechnique's men team), **Running, Soccer**
Cinema, French Literature, Video Games