

# Davide Beltrame

📍 Milan, Italy    ✉ [davidebeltrame2002@gmail.com](mailto:davidebeltrame2002@gmail.com)    ☎ +39 340 874 6075    in [LinkedIn](#)    🐙 [GitHub](#)

## EDUCATION

### Bocconi University

Milan, Italy

*MSc in Artificial Intelligence (LM-18 Computer Science)*

*Sep 2024 – Jul 2026*

- **Focus subjects:** Software Engineering, Algorithms for Optimisation and Inference, Deep Learning and Reinforcement Learning, Computer Vision, Complex Systems and Physical Models, Cryptography and Security, Advanced Linear Algebra and Discrete Maths, NLP, Information Theory.

### LUISS Guido Carli

Rome, Italy

*BSc in Management and Computer Science*

*Sep 2021 – Jul 2024*

- **Full scholarship recipient** (€ 33,000) for best score in admission list and distinction in a maths and logic contest.
- **Final GPA:** 29.8/30 (with 30L = 31: 30.2/30) – Final Grade: 110/110 with honours (con lode).
- **Thesis:** *Machine learning for eco-climatic strategy: predicting air transport emissions*. Supervisor: Giuseppe F. Italiano.

### Liceo Scientifico "Augusto Righi"

Rome, Italy

*High school diploma in scientific studies*

*Sep 2016 – Jun 2021*

- **Final grade:** 100/100 with honours (con lode). Highest GPA (9.73/10) in the school.
- School representative in national Mathematics, Physics, Italian, Art History and Informatics Olympics.

## EXPERIENCE

### CommerceClarity

Milan, Italy

*AI Engineer Intern*

*May 2025 – Present*

- Researching foundation models and MCP for B2B commercial web application back-end workflows.

### Consensus Rivista

Milan, Italy

*Author and Editor-in-Chief*

*Sep 2024 – Present*

- Curator of a column on Science and Technology and supervisor of Consensus STEM.
- Focus on AI and new technologies content creation and editorial management.

### Starting Finance Club Guido Carli

Rome, Italy

*President*

*Jun 2022 – Oct 2024*

- Previously Vice President (2023) and Head of HR and IT (2022).
- Managed more than 30 Clubs in Italy and 1000 active members.

### JELU Consulting

Rome, Italy

*Audit Associate*

*Mar 2023 – Sep 2024*

- Consulting firm run by students, part of the Junior Enterprises network.

### LUISS Training Course for Italian Informatics Olympics

Rome, Italy

*Tutor (Student Ambassador)*

*Mar 2022 – May 2023*

- Design of coding problems in Python and C++ for the final contest. Tutoring during lectures.

## SELECTED RESEARCH PROJECTS

### Do AI and Human Experts See Pneumonia the Same Way?

2025

- Analyzed alignment between CNN models and medical expert reasoning for pediatric pneumonia diagnosis; found that high diagnostic accuracy (94.87%) does not correlate with explainability metrics.

### More Efficient Text Diffusion via Length Prediction

2025

- Developed length prediction method for diffusion language models achieving 80% accuracy in sequence length estimation, enabling significant computational savings.

## SKILLS & ADDITIONAL INFORMATION

**Languages:** Italian (native), English (fluent), French (currently studying), Spanish (basic), Japanese (elementary).

**Programming:** Python, C, R, SQL, C++, MATLAB, HTML, CSS, JavaScript, GLPK.

**Tools:** Git/GitHub, SLURM, Microsoft Office, Google Workspace, Cloud Computing basics, FastAPI.

**Certifications:** GRE General Test (QR 169, VR 163, AW 4 - 92nd Percentile), IELTS Academic Band 8.5 (C2), Google Analytics, KNIME Analytics Basic Proficiency.

**Extracurricular:** Kozminski University AI & NLP Program (Warsaw, 2023), MLI International Schools (Dublin, 2018), Haarlem Model UN Delegate (2019).

**Interests:** Running, Chess, Cooking, Travelling, Cinema, Sci-fi literature, Classical Guitar.