Giacomo Cirò

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EDUCATION

Bocconi University   *September 2024 - July 2026*

MSc in Artificial Intelligence   Milan, Italy

- Recipient of Bocconi Graduate Merit Award consisting of full fees and tuition waiver based on merit and academic achievements ($\sim 36{,}000$ €).
- Relevant coursework: Software Engineering, Mathematical Methods in Computer Science, Algorithms for Optimization and Inference, Deep Learning, Reinforcement Learning, Computer Vision, Language Technology, Information Theory.

Bocconi University   *September 2021 - July 2024*

BSc in Economics, Management and Computer Science   Milan, Italy

- Grade: 110 Cum Laude
- Thesis: "Exploring Transcriptional Interactions and Language Models for Single Cell RNA-seq Masked Value Prediction", supervised by professor Francesca Buffa.
- Relevant coursework: Machine Learning, Computer Programming, Information Theory, Linear Algebra, Calculus, Complex & Fourier Analysis, Probability & Statistics, Big Data & Databases, Game Theory & Mechanism Design, Econometrics.

EXPERIENCE

Bocconi Institute for Data Science and Analytics   *March 2024 - present*

Bioinformatics Researcher (Machine Learning)   Milan, Italy

- Re-implemented and trained an open-source transformer model for gene expression prediction to resolve compatibility issues.
- Secured a formal research contract for the ERC-funded MicroC project (Sept 2024), contributing to advanced gene prediction models under Prof. Francesca Buffa's guidance.
- Designed and developed a novel model architecture which leverages prior biological knowledge and insights from AlphaFold 2 for gene expression modelling.
- Used SLURM for efficient job-scheduling on the HPC.

R.A.D. Sicherheit GmbH (F1 Paddock Club)   *September 2023 - present*

Access Control   Köln, Germany

- Coordinated the entry and flow of 1,000+ guests at Formula 1 Grand Prix events.
- Led and supervised teams of local stewards, optimizing task allocation and communication.
- Worked at 8 Grand Prix in 5 countries across 2 continents, adapting to diverse regulatory and logistical requirements.

Bocconi Students for Machine Learning (BSML)   *June 2023 - present*

Co-founder   Milan, Italy

- Obtained 150+ signatures to found the first Machine Learning Student Association at Bocconi University.
- Screened and interviewed 60+ candidates.
- Built and maintained the association's website using HTML, CSS, and JavaScript.
- Supervised the publication of 2 articles on the association's website.
- Led a research team of 3 people supervised by a Bocconi Faculty Professor.
- Developed and promoted the "Thesis Repo" to collect and make BSc theses available for free consultation through a custom online portal.

ADDITIONAL INFORMATION

- **Skills**: Python; R; SQL; StataSE; HTML-CS-JS; Knime Analytics Platform; Office 365; SLURM; Adobe Creative Cloud; Optimization; Natural Language Processing; Neural Networks; Data Analysis; Data Visualization; Data Processing; Mathematical Modelling; Programming; Problem Solving.

- **Languages**: English (C1 - Fluent - IELTS 8.0); Italian (Native); Spanish (B1 - Basic).

- **Community Involvement & Volunteering**: AGESCI boy-scout for over 10 years. Summer camp animator at the parish oratory and cook at boy-scout summer camps.

- **Sport**: Rugby player in major italian leagues for CUS Milano Rugby from 2010 to 2023. I now practice boxe and I've recently completed a half-marathon in 1h and 50min.

- **Interests and more**: I love art, poetry and working out. I used to play drums and I'm now learning to play the piano. I'm good at typing fast (120 wpm at keybr.com).