Giacomo Cirò

About

I am a Computer Science student aiming at a career in Machine Learning research, Software Engineering, and Data Science. My main research interest is Machine Learning applied to Transcriptomics and my goal is to develop a single cell foundation model. I also co-founded BSML because I love connecting minds, not only layers.

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 €).

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.

Liceo Scientifico Salvador Allende — *September 2016 - June 2021*
Italian Scientific High School Diploma — Milan, Italy

- Final Grade: 100/100
- Final Presentation on Quantum Computing
- Internship at Polimi's "GVPM Galleria del Vento"

Experience

Bocconi Institute for Data Science and Analytics — *March 2024 - present*
Researcher — Milan, Italy

- Developing novel approaches to incorporate prior biological knowledge into transformer models for gene expression prediction;
- Transitioned to a formal contract in September 2024 to work on the ERC funded MicroC project under the supervision of prof. Francesca Buffa.

R.A.D. Sicherheit GmbH (F1 Paddock Club) — *September 2023 - present*
Access Control — Köln, Germany

- Manage the flow of 1000+ guests at Formula 1 Grand Prix;
- Worked at 2023 Monza GP, 2023 Mexico City GP, 2024 Monaco GP, 2024 Austrian GP, 2024 British GP.

Bocconi Students for Machine Learning (BSML) — *June 2023 - present*
Co-founder — Milan, Italy

- Collected 150+ signatures to found the first Machine Learning Students Association at Bocconi University;
- Screened and interviewed 60+ candidates;
- Created and maintained the association's website;
- Supervised the publication of 2 articles on the association's website;
- Lead a research team of 3 people supervised by a Bocconi Faculty Professor.

Additional Information

- **Technical skills**: Python; R; SQL; StataSE; HTML-CS-JS; Knime Analytics Platform; Office 365; Adobe Creative Cloud.
- **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 five days per week and run 40 km each month.
- **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).