PERSONAL INFORMATION **Christian Giannetti**

WORK EXPERIENCE

October 2023 – Present **Former Research Collaborator (Oct 2023 – Oct 2024)**
PhD Student (from Nov 2024 - Present)
Sapienza University of Rome, Rome, Italy

– My research currently investigates the use of Sparse Autoencoders to analyze the mechanisms underlying hallucinations in reasoning-intensive large language model (LLM) systems, with a particular focus on applications in Retrieval-Augmented Generation (RAG) and molecular domains.

– Actively participating in the research workflow within the RSTLess research group, led by Fabrizio Silvestri.

March 2022 – October 2024 **Project Manager / Machine Learning Engineer**
Whitehall Reply S.r.l., Rome, Italy

– **Project Manager (Part-time, October 2023 – April 2024):**

  • Led a team of junior engineers in developing multiple technical solutions for primary clients.

  • Managed complete project lifecycle from requirements gathering to deployment, delivering solutions that met client expectations and drove measurable business impact.

– **Machine Learning Engineer (Full-time, March 2022 – October 2023):**

  • Developed, trained, and validated models ranging from statistical methods to deep neural networks.

  • Led an internal R&D subgroup focused on rapid prototyping of client-driven AI solutions.

March 2019 – July 2019   **Data Scientist Intern**
INFN – LNF, Frascati, Italy

– Designed and implemented a data pipeline for the KLOE-2 experiment, optimizing throughput and analytics fidelity.

– Participated in prototyping architectures for scalable data transfer in physics-based environments.

– Applied unsupervised ML methods to cluster experimental results and detect anomalous patterns.

July 2016 – February 2019   **Account Executive**
Euroass Insurance Service Center S.r.l., Rome, Italy

– Maintained a high-quality client relationship model through personal consultations and service customisation.

– Delivered product recommendations based on evolving customer profiles and financial needs.

– Engaged in regular internal training to maintain certification across insurance offerings.

EDUCATION AND TRAINING ── ■

November 2024 – Present   **PhD Student in Artificial Intelligence**   **ISCED 8**

– Sapienza University of Rome — recipient of fully funded PhD scholarship.

– Supervised by Prof. Pietro Liò (University of Cambridge) and Prof. Nicola Tonellotto (University of Pisa).

October 2019 – January 2022   **Master's Degree in Artificial Intelligence and Robotics**   **ISCED 7**

– Sapienza University of Rome — programme taught in English.

– Final grade: 110 cum laude.

– Thesis: *An innovative architecture for time-series processing: the Time-Series Transformer*.

October 2016 – July 2019   **Bachelor's Degree in Computer and Automation Engineering**   **ISCED 6**

– Roma Tre University — programme taught in Italian.

– Final grade: 109/110.

September 2011 – July 2016 High School Diploma in Classical Studies ("Virgilio" Classical Lyceum)
ISCED 4

– Final grade: 98/100.

PERSONAL SKILLS

Mother tongue Italian

Other languages

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

English

Certification provided by Speexx, a leading provider of corporate language training solutions.
For more information, visit the official website.

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

Computer skills
– **Programming Languages:** Python, C++, Java, JavaScript.
– **Scientific and Statistical Computing:** MATLAB, R.
– **Machine Learning Frameworks and Libraries:** PyTorch, TensorFlow.
– **Database Systems:** SQL (PostgreSQL, MySQL), MongoDB.
– **Robotics and Planning Tools:** ROS, PDDL, LINGO.
– **Version Control and DevOps Tools:** Git, GitHub Actions, CI/CD workflows.
– **Markup and Typesetting:** LaTeX.
– **Development Practices:** Familiar with Agile methodologies and collaborative development.

SCIENTIFIC PUBLICATIONS

Google Scholar Profile: A comprehensive overview of my research output is available on my
Google Scholar profile.

SCHOLARSHIPS AND AWARDS

– **PhD Scholarships Winner (2024):** Awarded nine fully funded PhD scholarships in Artificial Intelligence across leading Italian institutions, including Sapienza University of Rome and the University of Pisa. Ultimately accepted the scholarship currently funding my PhD studies.

– **Jean Monnet Intensive Summer School (2025):** Selected for a scholarship-funded position to attend the Jean Monnet Intensive Summer School on *Participation, Lobbying and Transparency in the EU Institutions (PLAT.EU)*. More information at `https://www.unitelmasapienza.it/cupode/jean-monnet-module-plat-eu/`.

– **Scuola di Politiche (2019–2020):** Awarded a participation-based scholarship as one of the top 100 selected candidates to attend the "Scuola di Politiche" annual course. More information at `https://www.scuoladipolitiche.eu/scuola`.

CONSENT FOR THE PROCESSING OF PERSONAL DATA

In compliance with the General Data Protection Regulation (EU Regulation 2016/679) and the Italian Legislative Decree no. 196 of June 30, 2003, I hereby authorize the recipient of this document to use and process my personal data for recruitment and staff selection purposes. I confirm that I have been informed of my rights under Article 7 of the aforementioned Decree.

Rome, 17/06/2025

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Signature