

Filippo Momentè

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EDUCATION

- **University of Trento** Trento, Italy
M.Sc. in Artificial Intelligence Systems *September, 2022 - July, 2025*
- **KAIST** Daejeon, South Korea
(Exchange Semester - M.Sc.) School of Computing *February, 2024 - July, 2024*
- **University of Trento** Trento, Italy
B.Sc. in Computer Science *September, 2019 - September, 2022*
- **KAIST** Daejeon, South Korea
(Exchange Semester - B.Sc.) School of Computing *February, 2022 - June, 2022*

EXPERIENCE

- **Research Assistant** September 2025 - March 2026
University of Trento, CIMeC *Trento, Italy*
 - Applying mechanistic interpretability methods to understand the changes induced on LLMs by finetuning them on games.
- **Research Intern** September 2024 - May 2025
University of Trento, CIMeC *Trento, Italy*
 - Leveraging vLLM, evaluated LLMs on several benchmarks spanning across the human cognitive capabilities spectra, games and general knowledge. Analyzed their performance in detail.
- **Teaching Assistant - Language Modeling and Human Cognition Class** April 2025 - June 2025
University of Trento, CIMeC *Trento, Italy*
 - Provided mentorship to students for their projects. Assisted the Professor in evaluating them.
- **Intern** September 2021 - December 2021
BlueTensor Srl *Trento, Italy*
 - Developed a system for extracting contents from otherwise non-parsable scanned legal documents.

PUBLICATIONS

- **Triangulating LLM Progress through Benchmarks, Games, and Cognitive Tests** Nov. 2025
Filippo Momentè, Alessandro Suglia, Mario Giulianelli, Ambra Ferrari, Alexander Koller, Oliver Lemon, David Schlangen, Raquel Fernández, Raffaella Bernardi
Findings of the Association for Computational Linguistics: EMNLP 2025
- **Playpen: An Environment for Exploring Learning From Dialogue Game Feedback** Nov. 2025
Nicola Horst, Davide Mazzaccara, Antonia Schmidt, Michael Sullivan, Filippo Momentè, Luca Franceschetti, Philipp Sadler, Sherzod Hakimov, Alberto Testoni, Raffaella Bernardi, Raquel Fernández, Alexander Koller, Oliver Lemon, David Schlangen, Mario Giulianelli, Alessandro Suglia
Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing

SKILLS

- **Programming Languages:** Python, Java, C++, SQL
- **Frameworks & Libraries:** PyTorch, Transformers, vLLM, Pandas, NumPy
- **LLMs Training & Eval:** Evaluate, Quantize, Fine-tune (SFT, LoRA), set and handle multi-gpu training/eval environments
- **Tools & Technologies:** Git, slurm, wandb

LANGUAGES

- **Italian**
Native Speaker
- **English**
Fluent
- **Korean**
Basic