

Gaetano Dibenedetto

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SUMMARY

I was born in Trani (BT) on the 19th of December of the year 1998. I started attending the University of Bari Aldo Moro in 2018 and hold both a Bachelor's and a Master's degree in Computer Science.

I am currently in the final year of my Ph.D. in Computer Science and Mathematics (Artificial Intelligence) at the University of Bari, in a program that is co-funded by Naps Lab S.R.L.S.

While I initially focused on Multimodal Recommender Systems during my Master's studies, my current doctoral research is centered on Artificial Intelligence approaches for digital healthcare. Specifically, I focus on integrating pose detection and recommender systems within eHealth environments to advance and personalize digital medical solutions.

EDUCATION

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| 2023 - Present | Ph.D. Student in Computer Science and Mathematics
<i>University of Bari Aldo Moro, Bari</i>
Advisor: Prof. Pasquale Lops
Dissertation: Artificial Intelligence Approaches for Digital Healthcare through Pose Detection and Recommender Systems in eHealth |
| 2021 - 2023 | M.S. in Computer Science
<i>University of Bari Aldo Moro, Bari</i>
Advisors: Prof. Giovanni Semeraro and Dr. Marco Polignano
Thesis: Multimodal Recommender Systems |
| 2018 - 2021 | B.S. in Computer Science
<i>University of Bari Aldo Moro, Bari</i>
Advisors: Prof. Pasquale Lops and Dr. Marco Polignano
Thesis: Medical Diagnosis Based on Techniques of Reinforcement Learning |

EXPERIENCES ABROAD

Visiting Ph.D. Researcher – Delft University of Technology	Mar 2025 - Aug 2025
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GRANTS & AWARDS

Awards

- LLM4WellRec@UMAP26: [Best Paper Award](#)
- AIxIA24: [Best Paper of the Doctoral Consortium](#)

Grants

- TU Delft Sport Institute Grant
- Umap25: Travel Grant
- Umap24: Travel Grant
- AIxIA24: Travel Grant

PUBLICATIONS

- Dibenedetto**, Gaetano, Stefano Labianca, et al. (2026). “Evaluating Generative Text-to-Motion for Occupational Wellbeing Recommender Systems”. In: *Joint Proceedings of the ACM UMAP 2026 Workshops co-located with the 34th ACM Conference on User Modeling, Adaptation and Personalization (UMAP 2026)*, Gothenburg, Sweden, June 8-11, 2026. Ed. by Lien Michiels and Sole Pera. CEUR-WS.org, pp. 199–210. URL: <https://ceur-ws.org/Vol-4206/llm4wellrec-2.pdf>.
- Dibenedetto**, Gaetano, Pasquale Lops, Piero Lovreglio, et al. (2026). “SAFELIFT: Safety-Aware Feedback for Ergonomic Lifting & Injury-Free Tasks”. In: *Proceedings of the 31th International Conference on Intelligent User Interfaces, IUI 2026, Paphos, Cyprus, March 23-26, 2026*. ACM. DOI: [10.1145/3742413.3789143](https://doi.org/10.1145/3742413.3789143). URL: <https://doi.org/10.1145/3742413.3789143>.
- Dibenedetto**, Gaetano, Pasquale Lops, Marco Polignano, et al. (2025). “Lift It Up Right: A Recommender System for Safer Lifting Postures”. In: *Proceedings of the 19th ACM Conference on Recommender Systems, RecSys 2025, Prague, Czech Republic, September 22–26, 2025*. ACM. DOI: [10.1145/3705328.3759314](https://doi.org/10.1145/3705328.3759314). URL: <https://doi.org/10.1145/3705328.3759314>.
- Dibenedetto**, Gaetano, Elio Musacchio, et al. (2025). “Fine-Tuning Large Multimodal Models for Fitness Action Quality Assessment”. In: *Adjunct Proceedings of the 33rd ACM Conference on User Modeling, Adaptation and Personalization, UMAP Adjunct 2025, New York City, USA, June 16-19, 2025*. DOI: [10.1145/3708319.3733684](https://doi.org/10.1145/3708319.3733684). URL: <https://doi.org/10.1145/3708319.3733684>.
- Dibenedetto**, Gaetano, Stefanos Sotiropoulos, et al. (2025). “Comparing Human Pose Estimation through deep learning approaches: An overview”. In: *Computer Vision and Image Understanding* 252, p. 104297. ISSN: 1077-3142. DOI: <https://doi.org/10.1016/j.cviu.2025.104297>.
- Dibenedetto**, Gaetano (2024a). “Leveraging Human Pose Estimation to improve Health Recommender Systems”. In: *Proceedings of the AIXIA Doctoral Consortium 2024 co-located with the 23rd International Conference of the Italian Association for Artificial Intelligence (AIXIA 2024)*.
- (2024b). “A New Perspective in Health Recommendations: Integration of Human Pose Estimation”. In: *Proceedings of the 18th ACM Conference on Recommender Systems, Bari, Italy, October 14-18, RecSys ’24*. Bari, Italy, pp. 1382–1387. ISBN: 9798400705052. DOI: [10.1145/3640457.3688026](https://doi.org/10.1145/3640457.3688026). URL: <https://doi.org/10.1145/3640457.3688026>.
- Dibenedetto**, Gaetano, Marco Polignano, et al. (2024a). “Prompting Large Language Models for Tailored Exercise Recommendations in Office Spaces”. In: *Proceedings of the 6th International Workshop on Health Recommender Systems co-located with 18th ACM Conference on Recommender Systems, Bari, Italy, October 14-18, 2024*.
- (2024b). “Human Pose Estimation for Explainable Corrective Feedbacks in Office Spaces”. In: *Adjunct Proceedings of the 32nd ACM Conference on User Modeling, Adaptation and Personalization, UMAP Adjunct 2024, Cagliari, Italy, July 1-4, 2024*, pp. 264–275. DOI: [10.1145/3631700.3665184](https://doi.org/10.1145/3631700.3665184). URL: <https://doi.org/10.1145/3631700.3665184>.
- Dibenedetto**, Gaetano, Mauro Andretta, et al. (2023). *A Multimodal Approach for Symbiotic Recommender Systems*. ICITIES23.