

Francesco Andrea Causio

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Education

Master of Computer and Information Technology (MCIT), University of Pennsylvania, Philadelphia August 2025 – May 2027

- Concepts: Software Development, OOP, Data Structures & Algorithms - Languages: Java, Python, C++
- Strategic Research at Wharton Artificial General Intelligence Collective (WAGIC). Venture Incubation Program at Penn Venture Lab.

Master's in Epidemiology and Biostatistics, UCSC, Rome (30/30 with honors) January 2023 – Oct 2023

Doctor of Medicine (M.D.), UCSC, Rome (110/110 with honors) September 2013 – July 2019

Work Experience

Tech Consultant, Fondazione ENI Enrico Mattei, Rome March 2025 - July 2025

- Designed and integrated a Python-powered RAG chatbot into an existing health app to improve adherence to healthy lifestyles. First pilot: 95% increase in user comprehension and a 70% favorable user opinion rating.

Researcher, Brand-New Health Foundation, Rome March 2023 – July 2025

- Wrote a report for WHO identifying 68 cases of telemedicine and home-based remote patient monitoring.

External Consultant - Product Management, IBM (Remote) November 2021 – Feb 2022

- Enhanced product use cases for a remote patient monitoring app by 50% for detail and accuracy, which contributed to delivering the project 15% ahead of schedule.

Medical Residency in Preventive Medicine and Hygiene, Università Cattolica del Sacro Cuore (UCSC), Rome (Italy) January 2021 – Jan 2025

Medical Doctor, Several Employers (Rome/Bari, Italy) August 2019 – Jul 2025

- Worked as a medical doctor. Performed data analysis, EHR optimization, workforce management.

Leadership and Activities

Founder & Vice-President, Italian Society for Artificial Intelligence in Medicine (SIIAM), Rome (Italy) September 2023 – July 2025

- Scaled Society to 500+ members; **raised €30,000** for projects
- **Research Contributions**: Published a **machine-learning algorithm** to predict disease in bladder cancer patients (300+ patients), was awarded the 2025 Early-Career **Researcher Award** by Journal of Medical Informatics. **Open-sourced EuropeMedQA** - largest European multilingual medical QA dataset for LLM benchmarking. Conducted comparative analysis of Chain of Thought (CoT) reasoning across Deepseek, Grok, Gemini, and Claude models, evaluating consistency and medical reasoning appropriateness

Head of Buddy Program, UCSC, Rome (Italy). Started the "Buddy Program". Oversaw a group of 5 mentoring residents, personally mentoring 3 junior residents and 5 medical students over two years.

Prizes: Received seven scholarships for excellence in studies or research prizes.

Personal Projects

TetaCare | Founder April 2024 – January 2025

- Architected an AI-driven well-being tracker; built an RAG library to generate patient action recommendations.
- Drove pilot launch to 500+ daily interactions; won 2nd place among 50 startups.

Curiosa COVID-19 Chatbot | Founder March 2020 – Dec 2020

- Used Python to design and deploy a chatbot serving 100+ users for accessing verified information during the COVID-19 pandemic.