

Francesco Andrea Causio

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Education

Master of Applied Science in Computer Science (MAS-CS), University of Pennsylvania, Philadelphia, GPA 3.96 August 2025 – May 2027

- VP of Research at Anthropic's Claude Builder Club. Awarded the Design Innovation Price by the Venture Incubation Program at Penn Venture Lab for an AI-first peer-reviewed platform.
- Penn's Widjaja Engineering Entrepreneurship Fellow: selected among 50+ applicants for a work-study program in technology venture leadership.

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

Software Engineering Intern, Superscript, New York City May 18, 2026 - Aug 21, 2026

- Worked on AI deployment to improve treatment selection (up to 60% up) and pricing accuracy (up to 25 % up) with deterministic algorithms and LLMs. Built a cross-platform developer portal (Next.js/React Native) enabling data-driven evaluation and auditing of agent-generated code modifications.
- Architected GitHub Actions workflows provisioning ephemeral test environments via Terraform, AWS Aurora, and Fargate to support agentic PR validation, reducing time-to-merge by 30%.

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, PhD Student in Biomedical Sciences and Public Health, 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 during the COVID-19 pandemic, then general surgery and palliative care.

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. Best Presentation Award at the Workshop for Multimodal Representation Learning for Healthcare at NeurIPS 2025. Presented at The Medical Image Computing and Computer Assisted Intervention on Applications of Medical AI (AMAI2026).

Head of Medical Residents, 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.