

KEVIN MANCINI

Mathematician and Computer Scientist

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EDUCATION

SAPIENZA UNIVERSITY OF ROME

Rome, IT

MSc Applied Mathematics and Theoretical Physics

2024 - Present

- Specializing in stochastic calculus, statistical mechanics. Honourable Mention at International Math Competition.

IMPERIAL COLLEGE LONDON

London, UK

MSc Advanced Computing – Major in Artificial Intelligence & Mathematics

2023 - 2024

- GPA 4.0/4.0 (average 79.4%). Oral paper at MICCAI workshop and under review paper at ICLR 2025.
- Thesis: Graph Neural Network with Information Flow Control and Interaction-Decoupling Module.

ALMA MATER STUDIORUM – UNIVERSITY OF BOLOGNA

Bologna, IT

BSc in Computer Science and Engineering

2018 - 2021

- GPA 3.88/4.0 (top 2% class). Final Grade: 110 cum laude. **Awarded merit scholarships worth 4500€.**
- Erasmus Scholarship (placed 1st/23). Selected among top 40 most promising students to innovate the Alma Mater.

RESEARCH & PROJECTS

Researcher – Information Flow Control on Graph Neural Networks

2024 - Present

- Lead author of paper under review at ICLR 2025. Designed novel topology-aware deep learning model in Python.
- Achieved avg accuracy increase of 4.72% and avg reduction in training time of 30.61% compared to SOTA methods.

Researcher – Graph Homophily and Heterophily Interaction-Decoupling in Medical Imaging

2023 - 2024

- Oral presentation at MICCAI 2024 workshop, Developed curvature-based graph neural network at I-X hub

Developer – Mathematical Graphic Engine

2019 - 2019

- Built a Windows/Unix desktop app in Java to graphically represent complex 2D/3D functions.
- Capable of rendering 70 million points of a complex 3D function in under 1 second using parallel computing.

WORK EXPERIENCE

DELOITTE

Milan, IT

Business Analyst & Developer, Full Time

2022 - 2023

- Designed and developed a financial planner, led client meetings online and in-person
- Reduced to 1/5 the developing time of OSBs using an automation script in Python saving 15 working days
- Dealt with Agile, Microservices, AWS Cloud, APIs, Spring Boot, Oracle BD, Redis, Docker, OpenShift

CRIF

Bologna, IT

Global FinTech & Analytics Company

2021 - 2021

Software Engineer, Intern

- Winner of “CRIF GT Smart Up Internship” competition (top 16/120 students)
- Reduced by 80% the installation time of a SQL Server using automation with Ansible and Jenkins

SKILLS

Coding: Java, Python, C, MATLAB, Scala, C++, HTML, CSS, PHP, SQL, LaTeX, CUDA, OpenCL, XQuery, Assembly

Expertise: Data Science, Cloud, Microservices, Agile, Machine Learning, Cryptography, IoT, Databases, HPC, GitFlow

INTERESTS & ACHIEVEMENTS

Adventurer & Polymath

Mountaineer (**summitted 7 Alpine peaks** this year), Climber (fell over 1000 times), Volunteer at the Italian Alpine Club since 2017. Scuba diver (personal depth record: 33 meters), **Avid reader (read 100+ books** this year). Math enthusiast.

Personal Achievements

Paid tuition fees with savings from scholarships and jobs since high school, helped my mother learn English