

Giuseppe Bisicchia

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SELECTED EXPERIENCE

Postdoctoral Researcher – Quantum Software Engineering <i>University of Pisa</i> Develop methods, architectures, and software tools for reliable and reproducible quantum and hybrid systems, focusing on distributed execution, orchestration, benchmarking, adaptive execution, and resource management.	Nov. 2025 – Present <i>Pisa, Italy</i>
Teaching Assistant – Cloud Computing <i>University of Pisa</i> Design and deliver weekly hands-on labs; 4 academic years, 150+ teaching hours, 400+ students.	Jan. 2023 – Present <i>Pisa, Italy</i>
STEAM Education Specialist <i>MakerDojo</i> Design and teach hands-on programmes in coding, educational robotics, AI, electronics, game development, drones, and tinkering; 100+ teaching hours and 160+ participants aged 6–19.	Apr. 2026 – Present <i>Pisa, Italy</i>
Co-Founder & Organiser <i>Quantum Festival</i> Co-founded and organise a public-engagement initiative connecting quantum research, education, industry, and the public; 2 editions, 560+ participants, 20+ press/TV features.	Aug. 2024 – Present <i>Pisa, Italy</i>
External Instructor – Robotics & Digital Skills <i>Fondazione ISI – Innovazione e Sviluppo Imprenditoriale</i> Deliver robotics and digital-skills labs using e.DO robotic arms; 100+ hours, 400+ participants, including secondary-school students and adults.	May 2024 – Present <i>Pisa, Italy</i>
External Instructor – Computer Science & Educational Robotics <i>I.C.S. L. Fibonacci (Primary and Lower-Secondary School)</i> Teach computational thinking, coding, and educational robotics; 10+ courses, 120+ hours, 140+ students.	Dec. 2022 – Present <i>Pisa, Italy</i>
Research Fellow – Cloud-IoT & Multi-Cloud Systems <i>Consortium GARR</i> Held two consecutive competitive research fellowships on QoS-aware Cloud-IoT orchestration and multi-cloud monitoring; led cloudWatcher to TRL 7 and production deployment on GARR's nationwide federated cloud.	Mar. 2021 – Oct. 2022 <i>Rome, Italy</i>

SCIENTIFIC CONSULTING

Scientific Consultant & Scientific Director of EMPIRIAL HALL – ACSoftware — Quantum technologies, educational tools & science communication	Feb. 2026 – Present
Scientific Consultant – Ireli.ai — Applied AI for intelligent customer interaction & lead qualification	Mar. 2023 – Present

INTERNATIONAL RESEARCH EXPERIENCE

Visiting Researcher – Simula Research Laboratory — Quantum software testing, Norway	May – Jun. 2024
Visiting Researcher – Universidad de Extremadura — Quantum Software Engineering, Spain	May – Jun. 2023

EDUCATION

PhD in Computer Science – Quantum Software Engineering <i>University of Pisa – Excellent with Honours</i>	2022 – 2025 <i>Pisa, Italy</i>
Double MSc in Computer Science / Computer Engineering <i>University of Pisa (110/110 with Honours) & Universidad de Málaga (9.88/10, Matrícula de Honor)</i>	2020 – 2022 <i>Pisa / Málaga</i>
BSc in Computer Science <i>University of Pisa – 110/110 with Honours</i>	2017 – 2020 <i>Pisa, Italy</i>

AWARDS & DISTINCTIONS

Quantum Excellence – IBM Quantum	2024 & 2025
Distinguished Paper Award – ICSOC 2023 – “Distributing Quantum Computations, by Shots”	2023
Premio Extraordinario “José María Troya” – Best Academic Record, Universidad de Málaga	2023

COMMUNITY & PROFESSIONAL SERVICE

Qiskit Advocate – IBM Quantum	Sep. 2025 – Present
Scientific Committee Member & Local Organiser – Italian Quantum Weeks	Feb. 2024 – Present
Technical & Scientific Committee Member & Editorial Contributor – BeQuantum	May 2023 – Nov. 2025
Volunteer STEAM Mentor – 5GBOT – Fondazione Mondo Digitale	Feb. 2022 – May 2022
Volunteer Mentor – Pisa CoderDojo	Sep. 2018 – Apr. 2026