



Mattia Palano

Date of birth: 11/11/1999 | **Place of birth:** Brindisi, Italy | **Nationality:** Italian |

Phone number: (+39) 3935062140 (Home) | **Email address:**

mattiapalano11@gmail.com | **Address:** Via Marco Biagi 8, 72100, Brindisi, Italy (Home)

• EDUCATION AND TRAINING

15/09/2021 – 15/07/2024 Milano, Italy

MASTER'S DEGREE IN COMPUTER SCIENCE Università degli studi di Milano

- **Advanced Artificial Intelligence Techniques:**

- Developed and implemented sophisticated AI algorithms, enhancing system capabilities across various applications.
- Engaged in research to innovate and improve existing AI methodologies.

- **Machine Learning & Pattern Recognition:**

- Specialized in audio pattern recognition, developing models to accurately identify and classify audio signals.
- Applied machine learning techniques to extract meaningful patterns from complex datasets.

- **Computer Vision & Image Processing:**

- Designed and implemented computer vision algorithms for image analysis and object recognition.
- Developed applications capable of interpreting and processing visual information from the environment.

- **Information Retrieval Systems:**

- Engineered intelligent systems for efficient data retrieval, enhancing user experience and data accessibility.
- Utilized natural language processing techniques to improve search accuracy and relevance.

- **Natural Language Processing (NLP):**

- Developed algorithms for understanding and generating human language, facilitating human-computer interaction.
- Worked on projects involving sentiment analysis, machine translation, and text summarization.

- **Data Analytics & Big Data:**

- Analyzed large datasets to uncover trends and insights, supporting data-driven decision-making processes.
- Employed statistical methods and machine learning models to interpret complex data structures.

- **Ethical and Legal Considerations in AI:**

- Studied the ethical implications and legal frameworks surrounding AI deployment.
- Ensured AI applications adhered to societal norms and regulatory standards.

- **Project Management & Collaboration:**

- Led AI-focused projects, coordinating with cross-functional teams to achieve project objectives.
- Managed project timelines, resources, and deliverables to ensure successful outcomes.

Website <https://www.unimi.it/en> | **Final grade** 105 | **Level in EQF** EQF level 7 |

Thesis Audio Based Covid-19 detection via Cough Analysis

15/09/2018 – 15/07/2021 Bari, Italy

BACHELOR'S DEGREE IN COMPUTER SCIENCE Università degli studi Bari Aldo Moro

- Developed proficiency in various programming languages and paradigms, enabling the design and implementation of efficient software solutions.
- Engaged in collaborative coding projects, enhancing teamwork and version control skills.
- Designed and analyzed algorithms to solve complex computational problems, focusing on optimization and efficiency.

- Applied theoretical knowledge to practical scenarios, bridging the gap between abstract concepts and real-world applications.
- Acquired skills in designing, implementing, and managing databases, ensuring data integrity and security.
- Explored foundational concepts in AI, including machine learning algorithms and their applications.
- Participated in projects that applied AI techniques to solve practical problems.
- Led and contributed to team-based projects, honing project management and collaborative skills.
- Utilized agile methodologies to adapt to evolving project requirements and ensure timely delivery.

Website <https://www.uniba.it/en> | **Field of study** Information and Communication Technologies | **Final grade** 105 | **Level in EQF** EQF level 6

DIGITAL SKILLS

Libraries and Frameworks

PyTorch | Pandas | OpenCV | scikit-learn | Gensim | TensorFlow | Numpy | Matplotlib | Keras | Librosa | Seaborn

Programming Languages

Python | SQL | Java | C++

Development Enviroments

Git | Jupyter Notebooks | Docker | GitHub | Power BI | Visual Studio Code | PyCharm | Slack | C Lion | JetBrains IntelliJ Idea

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
PORTUGUESE	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

WORK EXPERIENCE

01/10/2023 – 31/08/2024 Milano, Italy
SECONDARY SCHOOL TEACHER IIS GALVANI

- Designed and delivered engaging lessons in **Web Design, Systems & Networks, and Basic ICT** to high school students
- Developed interactive teaching materials, lesson plans, and assessments aligned with educational standards.
- Adapted teaching methods to accommodate different learning styles and levels of technical expertise.
- Guided students through practical projects, encouraging problem-solving and real-world applications of computer science concepts.
- Introduced AI-related topics and emerging trends to enhance students' understanding of modern technology.
- Evaluated student performance through assignments, projects, and exams, providing constructive feedback.

- Assisted students with troubleshooting technical issues and supported their learning journey in IT and computing.
- Provided technical support to colleagues and contributed to the integration of digital tools in education.

15/07/2022 – 04/09/2022 Chioggia, Italy

SOUND OPERATOR LKT ENTERTAINMENT

- Installed, configured, and maintained **audio and multimedia systems** for live events, shows, and entertainment.
- Managed **digital sound equipment, mixing consoles, and software** for high-quality audio output.
- Troubleshot technical issues related to **hardware, software, and connectivity** in audio systems.
- Managed data storage, backups, and file organization for audio recordings and media content.
- Configured **Wi-Fi and LAN** connections for audio devices and managed digital communication between sound systems.
- Worked with **video projection systems, LED screens, and digital effects** to synchronize audio-visual experiences.