



MARTINA CASTELLUCCI

Master’s student

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SKILLS

- Problem-solving skills
- Analytical thinking
- Attention to detail
- Adaptability to new technologies
- Collaboration in multidisciplinary teams
- Project management and organization
- Effective communication and scientific writing
- Time management and ability to work under deadlines
- Critical thinking and research skills
- Creativity in data interpretation and visualization

LANGUAGES

- English — Intermediate

EXPERIENCE

Babysitter

Marepineta Resort, Milano Marittima, Ravenna

07/2020 - Present

Private Tutor

Private | Cervia, Ravenna

06/2020 - Present

Preparation of study materials, in-depth resources, and interactive teaching materials using multimedia tools.
Selection of teaching methodologies suited to students' learning capabilities.
Study of curricula and preparation of individual lessons.
Monitoring of students' activities and assignments.
Reviewing study programs, focusing on topics that are more difficult to understand.
Assessment of students' results and implementation of initiatives to improve academic performance.
Explanation of lesson content and verification of students' full understanding of the topics covered.

Exhibition hostess

Bologna Fiere, Rimini

Present

EDUCATION

Master’s in Bioinformatics

Sep 2024 — Present

Alma Mater Studiorum | Bologna

The International Master's in Bioinformatics at the University of Bologna contributes to establishing a European Higher Education Area in Bioinformatics and Computational Biology. The master's program generates knowledge and expertise in specific domains of Biology, Biotechnology, and Biomedicine crucial in the post-genomic era for storing, retrieving, and analyzing large sets of molecular data.

The program focuses on the study and development of computational methods for the analysis and interpretation of biological data through artificial intelligence. Tailored to students' needs, it emphasizes modeling complex biological phenomena, applying foundational principles from physics, mathematics, statistics, chemistry, and computer science.

Bachelor’s Degree: Biotechnology

Sep 2021 — Jul 2024

Alma Mater Studiorum University of Bologna

Final Grade: 110/110 with honors

Through an interdisciplinary approach, this program integrates strong theoretical and practical knowledge of biological systems with expertise in advanced scientific methodologies and their applications in various biotechnological fields.

Single-bench laboratory training represents a distinctive element, as well as the experimental curricular internship.

During my third year of undergraduate studies, I had the opportunity to undertake my curricular internship at the Department of Biomedical and Neuromotor Sciences, specifically in the Physiology laboratory coordinated by Professor Roberto Amici. My thesis focused on the study of histological and genetic adaptations of rat skeletal muscle induced in synthetic torpor.

In this context, I participated in the processing of samples, staining tissue sections with antibodies, and mounting them on slides. Additionally, I contributed to the histological analysis of the muscle and the characterization of the most up- and down-regulated genes in this phenomenon.

Scientific High School

Sep 2015 — Jun 2020

Liceo Enzo Ferrari | Cesenatico

