

Emanuele Mancini
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Education

Bologna University, Bologna, Italy

Single cycle master's degree in **chemistry and Pharmaceutical Technologies** - 110/110 cum laude

- **GPA:** 3.7/4 - 27.7/30
- **Relevant Courses:** **Programming**, Molecular Biology, **Applied Machine Learning**, **Cognitive Neurophysiology**, Calculus, Organic Chemistry I/II, Pharmaceutical Legislation, Linear Algebra, Analytical Chemistry

Professional Experience

Oct-Dec 2025 Banca Generali Group, Rimini, Italy

Junior Financial consultant - **extracurricular** Intern

- Conducted **preliminary analysis on 50+ client portfolios** to identify market exposure and trends, providing data support used by senior consultants during client review meetings.
- Assisted in the preparation of financial reports and **asset allocation proposals**

Oct-Dec 2024 Oulu University - Faculty of Biochemistry and Molecular Medicine, Oulu, Finland

Bioinformatics **research assistant**

- **Collaborated within an international team** to process and analyse **large-scale datasets**, of **single-cell RNA-seq data** for cancer research
- **Co-developed a scoring algorithm (MASC)** to quantify multi-variable interactions, **translating biological inputs into measurable statistical scores**.

Apr-Sep 2024 Bologna University - Department of Neuromotor Sciences, Bologna, Italy

Experimental **Thesis**

- **Developed advanced predictive models (Poisson GLM) using MATLAB** to analyse high-dimensional datasets, effectively isolating variables in a complex **multivariate environment**.
- **Optimized model accuracy** by conducting **statistical validation** between predicted and observed data points, enhancing the algorithm's predictive power for non-linear patterns.

Oct-Mar 2024 Farmacia Dei Mille, Bologna, Italy

Pharmacist – **curricular** Internship

- **Managed and optimized the pharmaceutical inventory and stock rotation for over 1,000 SKUs**, resulting in **zero major stock discrepancies** over the 6-month period and minimizing waste.

Extracurricular activities & Leadership positions:

- Elected **Department Representative (FABIT)** - Actively represented student's interests, facilitated communication between students and faculty, and **contributed to improving departmental initiatives**
- Among the few Italian students **selected to be mentees for Lead To The Future**, a leading mentorship non-profit **organization for students in STEM**, with **acceptance rate below 15%**
- **Volunteer - Finnish Red Cross**: Contributed to community outreach and health awareness initiatives.

Skills and Interests

- **Languages:** Italian (Holding **double citizenship Italian - British**), Chinese (HSK 1), Spanish
- **Tools:** Python, R, SQL, Git, MATLAB, **Microsoft Office**
- **Licenses and Certification:** **Bloomberg Market Concepts (BMC)**, **Machine and Deep Learning certificate**, MasterClass Crypto & DeFi
- **Interest:** **Salsa y Bachata Practitioner**, **swimming** (Lifesaving Certificate), **League of Legends, Gym**