MATTIA DE BARTOLOMEIS
Postgraduate BSc

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EDUCATION

Bachelor's degree in Computer Engineering   **Università degli studi di Salerno**

☑ Vote : 110 cum laude

- Relevant Coursework included Algorithms and Data Structures, Geometry and Linear Algebra,Object- Oriented Programming, Databases, Software Technologies for the web, Applied Statistics.

Master's degree in Computer Science and Engineering   **Politecnico di Milano**

☑ 3.750/4.00 GPA   📅 To complete in 2025

- Relevant Coursework included Software Engineering, Machine Learning, Foundation of Artificial Intelligence.

Apple Foundation course   **Detailed program** ↗

- Selected annually through a rigorous entrance exam, this elite program at the University of Salerno admits only 120 students with proven software design expertise. It features 60 hours of advanced iOS programming taught by Apple-certified instructors and culminates in a 200-hour project developing innovative apps.

SIDE PROJECTS

CodeKataBattle   **Web Appplication**

</> `JavaScript` `Spring Framework` `SQL` `Github`   Matamattia/CodeKataBattle

- CodeKataBattle is a web-app designed to engage people in coding challenges, encouraging the enhancement of coding skills through coding battles. This project was developed in a team of two, as project for the course of Software Engineering 2. The platform was built using a variety of technologies including JavaScript for the frontend, Spring Framework for the backend, and SQL as the database. The project not only involved comprehensive analysis and specification of requirements but also included the design, implementation, and testing phases.

Gym Zone   **IOS Application**

</> `Swift` `XCode` `User Experience`   Matamattia/GymZone

- This project was developed in a team of two, as project for the Apple Foundation Program. The main function of the app is to create your own training schedules and run them by keeping track of each workout. The app was built using Swift in XCode.

Database project   **Relational DB**

</> `SQL` `PostgreSQL.`   Matamattia/RelationalDB

- Design and implementation of a relational database intended for the storage of data from a specified dataset, which includes posts, content, and additional details of LinkedIn users.

Statistic project   **Linear Regression**

</> `R` `Linear regression`   Matamattia/LinearRegression

- Determine an optimal linear regression model on the image quality based on the following features: focal length, exposure time, sensor megapixels, crop factor, focal distance ,pixel density