Mattia De Bartolomeis

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Education

2020–2023 **Computer Engineering** , *Università degli studi di Salerno*
CGPA : 29/30
Relevant courses: Algorithms and Data Structures,Geometry and Linear Algebra,Object-Oriented Programming,Databases,Software Technologies for the web,Applied Statistics.

2023–present **Artificial Intelligence**, *Politecnico di Milano*

Supplementary Education

2023 **Apple Foundation Program**, *Università di Salerno*, Fisciano,
Course aimed at 120 students selected annually through an entrance test among those enrolled at the University of Salerno who have gained specific experience in the area of software design. 60 hours of training held by Apple teachers on the advanced aspects of programming in the field IOS followed by a 200-hour supervised design activity, aimed at creating Apps in the emerging sectors of Digital Health, Internet of Things, Embedded Systems, Domotics.

2023 **Java: advanced programming**, *Università di Salerno*, Fisciano,
Course provided by the university reserved for students who have passed all the exams and with a weighted average score of the exams taken of no less than 28;

Academic Projects

2023 **Gym Zone**
Development of an IOS application during 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.
- It is written in swift.
- Development environment : XCode.

2022 **LuxuryBoats**
Creation of a boat rental website using html,css,javascript,php. The website consists of several pages, such as:
- A homepage containing images, the boat with the second highest average rating users, the most sought-after destinations on the coast and reviews.
- A login/registration page for boat owners.
- A "Search" section for finding boats that can be rented.
- A reserved section "My boats" for boat owners registered on the site

2023 **Database group project**

Creation of a database for a company that analyzes data from social networks, of which information relating to posts and Linkedin profiles of influencers is to be represented. The database is capable of storing information that can be loaded either manually or from an existing dataset. In particular, the reference dataset is "Linkedin Influencers' Data": https://www.kaggle.com/datasets/shreyasajal/linkedin-influencers-data.

- ○ DBMS used: PostgreSQL.
- ○ Language used : SQL.

2022 **Dataset analysis group project**

The dataset used for data analysis consists of 100 samples obtained from questionnaires compiled by volunteers on the characteristics of the images.

- ○ Goal of the project:determine an optimal linear regression model on the image quality through the procedures analyzed during the course.
- ○ Development environment : Rstudio.
- ○ Language used : R.

Skills

	Level	Skill	Years	Comment
Language:	■■■□□	Java	1	*Used in several exams during my course of study*
	■■■□□	Swift	2	*Used in the Apple Foundation Program*
	■■■□□	C	2	*Used in several exams during my course of study*
	■■■□□	HTML	1	*Used in 'web software technologies' for creating a web page*
	■■■□□	PHP	1	*Used in 'web software technologies' for creating a web page*
	■■■□□	Javascript	1	*Used in 'web software technologies' for creating a web page*
	■■■□□	SQL	1	*Used in the course of databases*
	■■□□□	R	1	*Used in the course of applied statistics for the analysis of a database*