

Domenico **De Giorgio**

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EDUCATION

Politecnico di Milano | *Engineering of Computer Systems* Sep 2022 – Current

Liceo Scientifico "Ettore Majorana" Girifalco Sep 2017 – June 2022

PROJECTS

- **Grade Management Web Application**
 - Full-stack system for managing exam grades
 - Features: grade entry, student registration, role-based access
- **Client-Server Game Development with MVC Pattern**
 - Developed a Java-based client-server game with MVC pattern in a 4-person team
 - Used OOP, RMI and sockets for communication, JavaFX for UI, Maven for build
 - Focused on multi-threading, synchronization, real-time interaction
- **Order and Inventory Management System (C)**
 - Procedural program for handling orders and pantry stock
 - Implemented hash tables, heaps, and linked lists

TECHNICAL SKILLS

- **Programming:** C, Java (good knowledge); Python, MATLAB (beginner)
- **Computer Systems:** architecture, memory management, operating systems
- **Software Engineering:** UML, Git, Agile methodologies
- **Databases:** SQL, ER modeling, normalization
- **Web Development:** HTML, CSS, JavaScript, client-server models
- **Electronics:** circuit analysis, digital logic design
- **Control Systems:** system modeling, PID controller design
- **Numerical Methods & Optimization:** numerical analysis, operations research

ANALYTICAL AND SOFT SKILLS

- **Mathematical and Engineering Background:** advanced calculus, linear algebra, probability, optimization
- Analytical thinking, problem solving, teamwork, time management

LANGUAGES

- **Italian:** native
- **English:** TOEIC Listening & Reading – C1 equivalent (985/990)

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