



Cristian Apostol

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ABOUT MYSELF

I hold a Bachelor's degree in Engineering in Computer Science and am currently pursuing a Master's degree in Computer Science.

Proficient in C/C++, Java, Python, SQL, JavaScript, and Ruby, I have hands-on experience in developing efficient and scalable software solutions.

I am currently delving into advanced topics in Machine Learning and Cybersecurity, driven by a desire to contribute to innovative solutions in these fields.

Deeply passionate about learning, I am fascinated by topics such as Deep Learning, Algorithms, Cryptography, and the broader connections between technology, reasoning, and engineering.

Beyond technology, I find inspiration in cinema, music, and science, which fuel my curiosity and creativity.

I am a lifelong learner who thrives on uncovering new knowledge and embracing challenges, always eager to grow both personally and professionally in dynamic environments.

WORK EXPERIENCE

Supervisor and Tutor – FabLab Team

Liceo Scientifico "Paolo Ruffini" [2018 – 2020]

City: Viterbo | Country: Italy

- Supervised the development and maintenance of a web platform for managing student requests for tutoring services.
- Managed the platform's database, ensuring accurate and efficient data storage and retrieval.
- Debugged and resolved HTML issues, improving the platform's functionality and user experience.
- Redesigned the platform's interface, enhancing its visual appeal and usability.
- Worked as a tutor, providing academic support to students in math, science, informatics ecc.
- Collaborated with teachers and staff to organize and present the school's activities during open days.
- Played an active role in team coordination and problem-solving to enhance the platform's usability and efficiency.

Project Link: <https://www.ruffinifablab.it/sad/>

EDUCATION AND TRAINING

Engineering in Computer Science

Sapienza, University of Rome [2021 – 2024]

City: Rome | Country: Italy | Website: <https://www.uniroma1.it/it/> | Level in EQF: EQF level 6

Computer Science

Sapienza, University of Rome [2024 – Current]

City: Rome | Country: Italy | Website: <https://www.uniroma1.it/it/> | Level in EQF: EQF level 7

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Basic Digital Literacy

Using operating systems (Windows, macOS, Linux). / Proficiency in common office tools (e.g., Microsoft Office, Google Workspace). / Effective communication via email, messaging apps, and collaboration tools (e.g. Teams). / Basic file management (organizing, sharing, backing up).

Technical Skills

Programming languages (C/C++, Python, Java, SQL, JavaScript, Ruby). / Web development (HTML, CSS, JavaScript frameworks). / Database management (design, queries, optimization). / Debugging and testing (fixing bugs, quality assurance). / Version control (Git, GitHub).

Specialized Skills

Machine Learning and AI (using tools like TensorFlow, scikit-learn). / Cybersecurity basics (vulnerability analysis, secure coding). / Working with cloud platforms (AWS, Azure, Google Cloud). / Understanding cryptography principles and algorithms.

PROJECTS

[10/11/2023 – 09/07/2024]

Oscilloscope with ATmega 2560

A guide to building an oscilloscope with ATmega2560 that makes use of gnuplot for graph printing.

Link: <https://github.com/CristianApost0L/Oscilloscope-with-ATmega-2560>

[04/2024 – 09/2024]

SQLi ML defense

An application for inband SQL injection attacks, allowing attackers to inject SQL commands via user input using methods like Tautology, End-of-line comment, and Piggybacked query. A Machine Learning detection system is integrated to identify and block SQLi attempts in real-time by analyzing query patterns.

Link: <https://github.com/CristianApost0L/SQLi-ML-defense>

[05/2024 – 09/2024]

Dunkzone

Developed a feature-rich application designed for NBA fans to explore comprehensive team and player statistics, read articles and updates from journalists and team managers, and engage in discussions through a comment section. The app also includes a Profile section for user customization and a Store section redirecting to the official NBA shop. description...

Link: <https://github.com/dunkz0ne/website>

DRIVING LICENCE

Driving Licence: AM

Driving Licence: A1

Driving Licence: B

CERTIFICATES AND LICENSES

ENAC Drone License (Italy)

Issued by the Italian Civil Aviation Authority

- Authorized to operate drones in accordance with ENAC regulations.
- Valid until: 24/09/2025