



Matteo PEGLIASCO

Master's Student in Computer Science — Toulon, France



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Matteo Pegliasco
PegliascoPRO

Profile

Motivated and ambitious, currently in the second year of a Master's degree in Computer Science at the University of Toulon. My curriculum builds strong foundations in mathematics and expertise in data security, scientific computing, AI, and software engineering. Combined with hands-on experience developing a mission-critical application for the French Navy, this background strengthens my ability to design and deliver robust, innovative solutions.

Technical Skills

Programming Languages & Script : Python, Java, C, C++, C#, PostgreSQL, Bash/Shell Linux
Frameworks & Libraries: Quarkus, JAX-RS, JavaFX, NumPy, Matplotlib, SciPy, Tkinter, Torch
Tools: Git, Docker, Maven, Make, LaTeX

Professional Experience

Software Development Intern Jun – Jul 2025
French Navy (Marine Nationale)

- Designed and developed from scratch an airspace management application for the French Navy to enhance coordination with Civil Aviation.
- Delivered a complete solution for simulation, planning, and real-time control of military airspace.
- Developed advanced algorithms to generate statistical insights, optimize allocation processes, and produce comprehensive documentation.

Food and Beverage Service Summers 2022–2025
SARL La Cabasse / Cabasson, Bormes-les-Mimosas

Warehouse Worker Summers 2020–2021
Intermarché, Le Lavandou

University Projects

Privacy-Preserving Recommendation System Apr – May 2025
Java

- Developed a recommendation system with privacy-focused algorithms; conducted research, designed methodology, and performed experimental validation.

University Timetable Management Application Mar – Apr 2025
Java - Mentored by Sopra Steria

- Implemented a scheduling application to optimize university timetables using Scrum methodology under professional guidance.

3D Ray Tracing Engine Jan – May 2024
Python

- Built a recursive ray tracing engine simulating realistic light-object interactions.

Compiler Development Sep – Dec 2023
C

- Implemented a compiler translating high-level code into machine-level instructions for a RAM machine.

Education

2024–Present **Master's Degree in Mathematics & Computer Science**
University of Toulon
2021–2024 **Bachelor's Degree in Computer Science**
University of Toulon
2020–2021 **High School Diploma (Science Track)**
French Baccalaureate with honors

Certifications

2024 **MOOC SecNumAcademic**
Cybersecurity
2023 **PIX**
Digital Skills
2022 **Projet Voltaire**
French Proficiency

Languages

French Native
English Fluent (C1)