

Contact

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Location
Cosenza, Calabria, Italy

GitHub
<https://github.com/Pierf22>

Profile

Master's student in AI and Computer Science focusing on Cybersecurity, seeking a part-time position to apply and expand my skills.

Skills

- **Languages:** Python, Java, JavaScript, TypeScript, SQL, Kotlin, Perl, C++
- **Frameworks:** Spring Boot, FastAPI, Angular, Jetpack Compose, Ionic
- **Databases:** MariaDB, MySQL, PostgreSQL, MongoDB
- **Tools:** Docker, Git
- **Other:** RESTful APIs, Unit Testing

Languages

- **Italian:** Native proficiency
- **English:** Upper-Intermediate (B2)

Certifications

July 2022
B1-Upper Università della Calabria DEMACS

June 2021
B2, Cambridge First Certificate in English - FCE

Pierfrancesco Napoli

Graduate in Computer Science
Entry-Level IT Professional

Education

2024 – Present
Università della Calabria, Rende (CS)

Master's Degree in Artificial Intelligence and Computer Science

Currently pursuing, following the Computer Security track.

2021 - 2024
Università della Calabria, Rende (CS)

Bachelor's Degree in Computer Science

I graduated with a final grade of 107/110.
Significant Exams:

- **Enterprise Applications** – Focused on designing scalable, efficient applications using Docker and Spring Boot.
- **Software Engineering** – In-depth study of software development methodologies, including Agile.
- **Databases** – In-depth knowledge of database design, optimization, and management, with experience in both SQL and NoSQL databases.
- **Artificial Intelligence** – Exploration of AI applications and study of Answer Set Programming (ASP) for solving complex computational problems.
- **Web Applications** - In-depth study of Angular for building dynamic web applications.

2016 - 2021
"Pezzullo" Commercial and Technical Institute, Cosenza

High School Diploma

Graduated with a score of 100/100, specializing in the SIA (Business Information Systems) track. Subjects, studied included Computer Science, Business Economics, Law, and Literature.

Projects

Secure ASP

Designed and implemented a system using **FastAPI** (backend) and **Angular** (frontend) to sign and share **Answer Set Programming (ASP)** encodings securely. The system offers Python tools for signing encodings and ensures secure user access through intermediate certificates generated by the server for identity verification.

OnlyCards

Developed an enterprise-level application using **Spring Boot** for backend services, including API development, data management, and security. Created a dynamic website interface using **Angular**, additionally, developed an Android application using **Jetpack Compose** with a declarative UI approach.

Patient Management Application for a Healthcare Organization

Developed a patient management application for a local hospital, designed to assist healthcare operators in diagnosing patients. The application uses **Answer Set Programming (ASP)** to analyze medical data and provide diagnostic support. It integrates patient records, medical history, and diagnostic results, and was developed as a ready-to-use mobile app using Ionic for cross-platform compatibility.

Tron-Battle

Developed an **AI agent** for the Tron Battle competition, using **Answer Set Programming (ASP)** to design various modules such as attack, defense, and movement strategies. The agent was built to participate in a competitive environment with four teams, where it dynamically adapts its behavior based on the game state.