



Pio Antonio Perugini

Date of birth: 04/02/1999 | **Nationality:** Italian | **Gender:** Male | **Phone number:** (+39) 3207771249 (Mobile) | **Email address:** pioantonioperugini@gmail.com | **Website:** <https://github.com/Pi0Ant0ni0> | **Address:** via iadanza n101, 82020, Campolattaro, Italy (Home)

● ABOUT ME

Highly driven PhD with growing knowledge on Digital Twins, Autonomic Computing, Asset Administration Shell and Digital Product Passport. Commitment to excellence and details. Eager to prove my value and talent. Motivated to advance and expand my skill set through targeted mentorship and challenging projects.

● EDUCATION AND TRAINING

31/10/2024 Benevento, Italy
MASTER'S DEGREE IN COMPUTER ENGINEERING Università degli studi del sannio

Website <https://unisannio.it> | **Final grade** 110 Cum Laude |
Thesis Un avatar per help desk virtuale basato su LLM e sintesi audio video generativa

Benevento, Italy
BACHELOR'S DEGREE IN COMPUTER ENGINEERING Università degli studi del sannio

Website <https://unisannio.it/it> | **Final grade** 110 Cum Laude

Benevento, Italy
APPLIED SCIENCES SCIENTIFIC HIGH SCHOOL DIPLOMA Galilei Vetrone

Website <https://iisgalileivetrone.edu.it/> | **Final grade** 100L

● WORK EXPERIENCE

TRAINING COURSE TEACHER – PA ADVICE – 14/03/2024 – 21/05/2024 – ITALY

- teaching about:
- java basics
 - servlet
 - html/css basics
 - jsp
 - angular basics

CURRICULAR INTERNSHIP – ENGINEERING INGEGNERIA INFORMATICA SPA – 2021 – 2021 – NAPLES, ITALY

- Introduction to microservice architectures in a J2EE environment using the Spring Boot framework and angular8.
- Design and realize a Spring Boot Batch tool to allow data migration within the NGSAT(ARIASPA) project

SOFTWARE ENGINEER [PART-TIME] – OFFICINAE DI SANTO – 2021 – 31/12/2024 – BENEVENTO, ITALY

- Full stack developer for the development of a management system in the public italian health sector.
Main tasks:
- Support to System analysis and design;
 - Write well-designed, testable code backend side (java, spring-boot, postgresql);
 - Write well-designed, testable code frontend side (angular, html, css, tailwind css);
 - Write well-designed frontend libraries;
 - Write well-designed backed libraries;
 - Integrate software components into a fully functional software system;
 - Document and maintain software functionality;
 - Troubleshoot, debug and upgrade existing systems;

- sql database schema design and deploy;
- build docker container for developed code.

● CONFERENCES AND SEMINARS

2022 – 2022 University of Camerino (MC)

CINI Smart cities

took part and won the smart cities cini challenge 2022.

Challenge objectives: design, realize, deploy on a cloud environment and present a distributed system about smart cities.

Project name: Smart Waste

System objectives:

- automate waste collection in order to reduce waste truck fuel consumption and maximize truck container loading;
- track personal waste consumption

Technologies used:

- flutter
- springboot
- mongo db
- neo4j
- keycloak

● PUBLICATIONS

2026

[Geo-temporal vehicular environmental sensing dataset](#)

2026

[Predicted In-Sync Digital Twin for Fast Decision Making](#)

2026

[Enabling Self-Adaptation of Renewable Energy Communities with a Capability-Based Digital Twin](#)

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

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

● SKILLS

write English | use markup languages | Italian | debug software | industrial software | Angular | Python (computer programming) | use object-oriented programming | use software libraries | computer programming | Java (computer programming) | object-oriented modelling | SQL | statistics | oversee development of software | create solutions to problems | process data | analyse big data | inspect data | understand spoken English | understand written English | think analytically | interact verbally in English | work as a team | provide technical documentation