

ALESSANDRO CAMPANELLA

 Computer Engineer e-voluzione srl Naples (NA), Italy

LANGUAGES

 Italian - Native English - B2

PROFESSIONAL EXPERIENCE

 June 2026 - ongoing e-voluzione srl

Firmware & Software Engineering

Design and development of Industrial Systems, Embedded Firmware, Android & Web solutions, spanning ESP32-based platforms, BLE communication and technical documentation.

 Sept 2025 - Apr 2026 e-voluzione srl

Extra-Moenia University Internship

University-affiliated internship focused on embedded firmware development. Development of an ESP32-based embedded platform combining Bluetooth Low Energy (BLE) beacon management and real-time audio features.

 Aug 2024 - June 2026 FiverrFreelance Projects about Notion, L^AT_EX, DBMS

Freelance projects including: custom L^AT_EX document class for personal and legal use; Notion-based workflow systems with complex automations and relational databases; DBMS design.

EDUCATIONAL EXPERIENCE

 Mar 2024 - Apr 2026 University of Naples "Federico II"

Computer Engineering Master's degree

Advanced coursework in machine learning and embedded systems, culminating in a thesis on real-time BLE-based audio spatialization.

 Sept 14, 2020 - Mar 20, 2024 University of Naples "Federico II"

Computer Engineering Bachelor's degree

Core studies in programming, algorithms, digital electronics and computer architecture, with foundational coursework in databases and software engineering.

 Sept 2015 - June 2020 "Adolfo Pansini" Classic High School

Classic High School Diploma

Humanities-focused curriculum with emphasis on classical studies, logical reasoning and analytical writing.

TECHNICAL SKILLS

 Core Programming C++ Expert Python Expert Java Advanced C Proficient MATLAB Proficient Hardware & FPGA Arduino Expert Espressif Expert STM Advanced VHDL Advanced Assembly Advanced Web Development HTML Expert CSS Proficient JavaScript Expert ReactJS Advanced Node.js Advanced Framework & Toolbox Flutter Proficient Node-RED Proficient MQTT Proficient Apache JMeter Advanced DBMS & Data Engineering MySQL Expert MongoDB Expert PostgreSQL Advanced JMP Statistical Discovery Advanced Files & Formatting L^AT_EX Expert Word Advanced Excel Advanced Powerpoint Advanced

CONFERENCES & SEMINARS

 28/01/2026 - 30/01/2026 Naples, Italy

AI @ The Deep Edge - STMicroelectronics

A course on AI for STM32 microcontrollers, focusing on dense and convolutional neural networks. It covered data quantization and AI deployment on microcontrollers and directly on sensors.