



Pasquale Campanile

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WORK EXPERIENCE

Mechatronic Engineer

Neabotics [1 Giu 2022 – Now] <http://www.neabotics.com/>

City: Naples, Italy

Development of innovative robotic solutions for testing, inspection, and maintenance activities in industrial (e.g., refineries, off-shore platforms, etc.) and civil (railway infrastructures, bridges, etc.) contexts.
Skills both in mechatronic design and in the control of innovative solutions both in industrial robotics (Manipulator arms) and in aerial robotics (hybrid drones able to physically interact with the environment).

Embedded System member

FSAE Team UniNa Corse [9 sep 2020 – Now]

City: Naples, Italy

2022 Italian winners of the Formula SAE Italy competition in the driverless category and first place of the TeoRace for the best electronic implementation and the most innovative electronic system.
9th place of 2022 Formula Student Germany at Hockenheim as Driver and Embedded system member.
PCB and harness of a self-driving racing car, digital and power electronic design with Fusion360.
Work in the mechanical workshop for the creation of projects and simulation of PCBs on breadboard before final production.
Creation in 3D printing of enclosures for electronic boards using Solidworks.
Wiring and commissioning of devices communicating via CAN BUS and resolution of problems due to the chosen Field bus.
Simple member management for smooth project development and lots of teamwork experience.

Test Driver

FSAE Team UniNa Corse [9 sep 2020 – Now]

City: Naples, Italy

Driver for testing the car, for dynamic and powertrain settings of the car.
Experience in adjusting the car setup for maximum performance and driving simulator experience. Good knowledge of the components of the car.

Automation Engineer

3EM [13 mar 2022 – 23 May 2022]

City: Naples, Italy

Creation of an HMI for the FINCANTIERI VARD project concerning the development of a SCADA system for the control and supervision of the HVAC (Heating, Ventilation and Air Conditioning) of the EXPLORA 1 cruise ship, on behalf of the MSC company, through the Citect SCADA AVEVA software.
The SCADA describes all possible critical cases inside the ship and manages the control of some parameters.
Fieldbus communication is managed via Modbus TCP / IP with ETHERNET communication based on the client / server model.
Creation of static and dynamic pages, creation of pop-up, definition of intuitive navigation between pages, setting of set points for the actuators based on temperature readings.

EDUCATION

Professional Degree in Mechatronic Engineering 110 cum laude

University of Napoli Federico II [31 aug 2019 – 18 jul 2022]

City: Naples, Italy

<http://www.unina.it>

Diploma Scientifico Scienze Applicate

Liceo Scientifico G. Siani [31 aug 2014 – 21 jul 2019]

City: Aversa (Italia)

LANGUAGE SKILLS

Native language:

Italian

Other languages:

English (B2)

DIGITAL SKILLS

Engineering

SCADA/PLC: Citect SCADA, Factory I/O, CODESYS, MATLAB HMI Developer

Programming: C & C++, LabView, Arduino, MBED Studio, MATLAB

Hardware: Analogic, digital, and power electronic design, Rapid Harness, Eagle CAD, PTC Creo, Fusion 360, Formula car wiring, Drone wiring and harness design, PCB design, Embedded System

Telecommunications: Ethernet, IP, TCP, UDP, Modbus, Serial Standards, CanBus, I2C, UART

Mechanics: FEM, ANSYS, CAD Design (Fusion 360, SolidWorks, PTC Creo)

HOBBY

Creation of FPV drones and aircraft models with 3D printing (Eurofighter typhoon) and in wood (Fiat G.55). Problem solving and implementation of engineering knowledge and use of microcontrollers ARM 32 like STM NUCLEO F446RE.

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

14/October/2022