Christian Ostoni

Date of birth: 03/29/2007

Place of birth: Nocera Inferiore, Italy

Nationality: Italian

CONTACT

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WORK EXPERIENCE

07/01/2024 – 08/31/2024 Fisciano, Italy

Software developers Minervas

1. Worked with **vehicle communication protocols** such as **OBD2, CAN Bus, and J1939 (for trucks)**.
2. Implemented **MQTT communication** and **multithreading** in Python.
3. Conducted **fleet route analysis** by integrating and optimizing **OSRM (Open Source Routing Machine)**.
4. Developed an **OBD2 simulator** to test and analyze vehicle data in real-world conditions.
5. Analyzed and processed **real-time vehicle data** to improve fuel efficiency.

04/25/2024 – 06/2024 Fisciano, Italy

PLC Programmer Elettronica Pierri

1. Programmed **Siemens PLCs** (LOGO! and S7-1200) for industrial automation.
2. Developed and tested control logic for a **3kg sterilizer** used in food processing (tomato jar sterilization).
3. Designed automation systems for **continuous processing tanks**.
4. Conducted system troubleshooting and performance optimization.

07/31/2023 – 08/31/2023 Calabria, Italy

Archery Instructor & Tourist Entertainer Anima-Time

1. Organized and conducted **archery lessons** for tourists of all ages.
2. Ensured **safety procedures** and proper use of archery equipment.
3. Planned and coordinated **entertainment activities** in the holiday village.
4. Interacted with guests to enhance their vacation experience.

06/01/2023 – 06/30/2023 Castel San Giorgio, Italy

Photovoltaic Panel Installer SETIS SAS

1. Assisted in the **installation and maintenance** of photovoltaic panel systems.
2. Learned the fundamentals of **solar energy systems** and electrical wiring.

EDUCATION AND TRAINING

Castel San Giorgio, Italy

Middle School Diploma Rita Levi Montalcini Middle School

Level in EQF EQF level 1

Cava Dei Tirreni, Italy

Cisco Web Security certificate Cisco

Website https://www.cisco.com/

Cava Dei Tirreni, Italy

Cisco IoT certificate Cisco

Website https://europa.eu/europass/eportfolio/screen/redirect-external?url=https%3A%2F%2Fwww.cisco.com%2F

Cava Dei Tirreni, Italy

Python course

Cava Dei Tirreni, Italy

TypeScript course HackFarm

Website https://hackfarm.it

Typewriting Diploma)

Cava Dei Tirreni, Italy

Workplace Safety Course INAIL

Website https://www.inail.it/

11/06/2024 – 11/19/2024 Cork, Ireland

Machine Learning Course Training Vision

Website https://www.trainingvisionireland.com

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

   Listening B1
Spoken production B1
   Reading B1
Spoken interaction B1
   Writing B1

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

DIGITAL SKILLS

HARD SKILLS

Git ⎪ Networking ⎪ .NET Framework ⎪ TypeScript/Phaser ⎪ PHP ⎪ OBD2 protocol ⎪ CAN BUS protocol ⎪ Python ⎪ Microsoft Office ⎪ Problem Solving ⎪ Data Analysis ⎪ C++ ⎪ Siemens PLC Programming ⎪ SQL ⎪ Cybersecurity ⎪ Linux/Unix ⎪ Machine Learning

COMMUNICATION AND INTERPERSONAL SKILLS

Teamwork and Leadership, Organizational Skills, and Communication and Interpersonal Skills

I have developed strong **teamwork and leadership** abilities through various experiences, including participating in hackathons, working on software and IoT projects, and acting as an archery instructor. These experiences have strengthened my ability to collaborate effectively, lead small teams, and solve problems in high-pressure environments.
My **organizational skills** have been enhanced by managing multiple projects simultaneously, planning activities in a tourist village, and coordinating with colleagues in different work environments. Through these experiences, I have learned to prioritize tasks, manage deadlines, and adapt quickly to new challenges.
Additionally, working as a **tourist entertainer and archery instructor** required excellent **communication and interpersonal skills**. I engaged with guests daily, ensuring a positive experience while developing my ability to **c**

ommunicate fluently and build relationships with people from diverse backgrounds. This experience helped me improve my adaptability, problem-solving, and public speaking skills.

PROJECTS

ECMS(Energy Consumption Monitoring System)

Design and development of an IoT system for monitoring household appliance energy consumption. The system uses **current sensors (ACS712) and ESP8266 microcontrollers** to collect **real-time data**, transmitting it via **UDP and MQTT protocols** to a central **Raspberry Pi server**. Data is stored in a **MySQL database** and visualized through **dynamic dashboards in Grafana**, enabling **detailed analysis of energy usage patterns**. The project also includes **3D-printed enclosures** for hardware integration and supports **multi-user configurations for scalability**.
Key technologies: IoT, Python, Grafana, MQTT, MySQL, **3D printing**.

R.I.S (Remote Irrigation System)

Design and development of an IoT system for monitoring household appliance energy consumption. The system uses **current sensors (ACS712) and ESP8266 microcontrollers** to collect **real-time data**, transmitting it via **UDP and MQTT protocols** to a central **Raspberry Pi server**. Data is stored in a **MySQL database** and visualized through **dynamic dashboards in Grafana**, enabling **detailed analysis of energy usage patterns**. The project also includes **3D-printed enclosures** for hardware integration and supports **multi-user configurations for scalability**.
Key technologies: IoT, Python, Grafana, MQTT, MySQL, **3D printing**.e the description...