

# MARRONE PIETRO

## Computer Network and Cloud Engineer

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🌐 <https://pietromarroneportfolio.vercel.app/>

📍 Copenhagen

☆ <https://github.com/PietroMarrone01>



## PERSONAL INTRODUCTION

I am Pietro Marrone, and I recently pursued a **Master's in Computer Networks and Cloud Computing**, with a keen interest in the IoT, cybersecurity, AI and cloud world. I am driven by a *persistent curiosity, meticulous attention to detail and a firm commitment to learning*, always seeking to expand my skill set and knowledge base. When faced with challenges, I approach them with determination and dedication, giving my utmost to find solutions and achieve our shared objectives.

## EDUCATION

### International program E+/EU PROGRAM COUNTRIES 2023/2024

#### DTU (Danmarks Tekniske Universitet)

📅 08/2023 - 08/2024 📍 Copenhagen - Denmark

- Thesis in: Exploring Device-to-Device (D2D) Communication in Cellular Technology. 5G and Beyond.
- Authentication Service Project: design and implementation of an advanced Authentication Service, enhancing security and optimizing traffic management within a Mininet-created virtual network.

### Master's Degree in COMPUTER ENGINEERING - Computer Networks and Cloud Computing

#### Politecnico di Torino

📅 09/2022 - 10/2024 📍 Torino - Italy

- Surplus Food Rescue Web Application: designed and deployed a Web App aimed at reducing food waste by rescuing surplus food from shops and restaurants, similar to Too Good To Go. Championed efforts to promote sustainability by facilitating efficient recovery of excess food.
- Tamagotchi Simulation Project: engineered an interactive Tamagotchi simulation using the LPC1768 Landtiger Cortex-M3 microcontroller in C. Delivered an animated virtual pet interface displayed on an LCD with a seamless 1-second refresh rate, optimizing user experience through responsive and dynamic animation.
- Transcript of Grades
- Grade: **110/110 with honors**

### Bachelor's Degree in COMPUTER AND AUTOMATION Engineering

#### Politecnico di Bari

📅 10/2019 - 07/2022 📍 Bari - Italy

- Zero Waste Error Project: development of a Web Application that leverages AI (Vertex AI - GCP) to identify waste materials and automate correct disposal processes. This cutting-edge solution significantly improved waste management efficiency by integrating AI-driven recognition for environmental sustainability.
- Transcript of Grades
- Grade: **110/110 with honors**

## EXPERIENCE

### REPLY Cloud and DevOps Engineer

#### GO Reply

📅 11/2024 - Present 📍 Torino - Italy

Reply Group company specialising in innovative Cloud services based on Google Cloud technology

## TRAINING / COURSES

### Preparation course for AWS Certified Cloud Practitioner (CLF-C02)

Udemy course.

### Certificate Holder - ETHICAL HACKER & PENETRATION TESTER

Achieved certification as an "Ethical Hacker & Penetration Tester", demonstrating proficiency in identifying system vulnerabilities and implementing strategic cybersecurity measures to safeguard against threats.

### Certificate Holder - QUALITY MANAGEMENT SYSTEM AUDIT GROUP

Earned certification in "Quality Management System Audit Group Managers/Auditors", culminating in a final examination that solidified expertise in quality assessment techniques, influencing the quality management practices of 15+ team members.

### Certificate Holder - Lead Auditor of Information Security Management Systems (ISO 27001:2017)

Certified as a "Lead Auditor for Information Security Management Systems" according to ISO 27001:2017 standards, equipped with expertise in auditing, managing, and ensuring compliance with global security protocols.

### Certificate Holder - ISO 19011:2018

Acquired knowledge and skills through the completion of the "BASIC MODULE FOR AUDITORS/AUDIT GROUP MANAGERS, ISO 19011:2018," strengthening the ability to identify compliance risks and enhancing overall audit effectiveness within the organization.

SKILLS

AWS	Cloud Computing	Cybersecurity	C	
Data Base	Docker	Excel	GitHub	ISO 27001
Javascript	Kubernetes	LANs	Linux	Microsoft 365
Network Infrastructure and DC		Node.js	Python	
PL/SQL	React			

LANGUAGES

English	
Proficient	<div><div></div><div></div><div></div><div></div><div></div></div>
Italian	
Native	<div><div></div><div></div><div></div><div></div><div></div></div>

VOLUNTEERING

Volunteer – Roskilde Festival

[Roskilde Festival](#)

📅 07/2024 - 07/2024    📍 Roskilde, Denmark

Supported event operations at one of Europe's largest music festivals.