

# MARRONE PIETRO

## Computer Network Engineer

+39 392 776 5160

<https://www.linkedin.com/in/pietro-marrone-43643723b/>

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

<https://github.com/PietroMarrone01>

@ pietromarrone8@gmail.com

Copenhagen



## 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 (expected)**

Bachelor's Degree in COMPUTER AND AUTOMATION Engineering

### Politecnico di Bari

10/2019 - 07/2022 Bari - Italy

- Thesis in "Development of a System for the acquisition and processing of Electromyographic signals".
- 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**

## SKILLS

AWS	Bash	Cloud Computing	Cybersecurity	C	Data Base
Docker	Excel	GitHub	IoT	IPv4 - v6	ISO 27001
JavaScript	Kubernetes	LANs	Linux	Machine Learning	Matlab
Microsoft 365	Mininet	Node.js	ONOS Controller	Openstack	
Passport.js	Python	PL/SQL	React	Routing Protocols	Rust
Sqlite	VLANS	VPN			

## EXPERIENCE/COURSES

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

### Udemy

09/2024 - Present

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

Certificate Holder - ETHICAL HACKER & PENETRATION TESTER

### Fata Informatica

02/2022 - 03/2023

[https://drive.google.com/drive/folders/1F1khaWFsQNCKt\\_DEXdCOM4yP\\_lkXMiYK?hl=it](https://drive.google.com/drive/folders/1F1khaWFsQNCKt_DEXdCOM4yP_lkXMiYK?hl=it)

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

Certificate Holder - QUALITY MANAGEMENT SYSTEM AUDIT GROUP

### KIWA CERMET - Certification Company

08/2020 - 08/2020

- 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)

### KIWA CERMET - Certification Company

07/2019 - 07/2019

- 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

### KIWA CERMET - Certification Company

07/2019 - 07/2019

- 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.

## LANGUAGES

English  
Proficient



Italian  
Native



## PASSIONS

🎮 Sports

🎵 Music

📖 Reading books