

MARRONE PIETRO

Computer Network Engineer

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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, conceived to ensure security and efficient traffic management in a virtual network created with Mininet

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

Politecnico di Torino

09/2022 - 10/2024 Torino - Italy

- Web Application** for the rescuing of surplus food (like "Too Good To Go"). Design and implementation of a Web App aimed at recovering excess food from shops and restaurants.
- Developed a Tamagotchi** simulation using the LPC1768 Landtiger Cortex-M3 microcontroller in C. The project features an animated virtual pet displayed on an LCD with a 1-second refresh rate.
- Transcript of Grades**

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, through AI (Vertex AI - GCP) recognizes waste material and communicates correct disposal
- 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_IDEXdCOM4yP_IkXMiYK?hl=it

- Certificate of attendance and passing of the final exam: ETHICAL HACKER & PENETRATION TESTER
- 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 - ISO 27001:2017

KIWA CERMET - Certification Company

07/2019 - 07/2019

- Certificate of attendance and passing of the final exam of "AUDITOR/LEAD AUDITOR OF INFORMATION SECURITY MANAGEMENT SYSTEMS ACCORDING TO ISO 27001:2017"

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 1:2018," 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