

# EUROPEAN FORMAT FOR THE CURRICULUM VITAE



## PERSONAL INFORMATIONS

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 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 AND TRAINING

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• Date (from – to)</li><li>• Name and type of education or training institution</li><li>• Qualification achieved</li><li>• University Project</li></ul>   | <p><b>August 2023 – August 2024 (Erasmus Programme)</b><br/>DTU (Danmarks Tekniske Universitet), Copenhagen - Denmark</p> <p>International program E+/EU PROGRAM COUNTRIES 2023/2024<br/>"Courses and final project" project (courses and thesis preparation)<br/>"AUTHENTICATION SERVICE" PROJECT, conceived to ensure security and efficient traffic management in a virtual network created with Mininet. Used technologies: ONOS Controller, Mininet, Flusk Server.</p> |
| <ul style="list-style-type: none"><li>• Date (from – to)</li><li>• Name and type of education or training institution</li><li>• Qualification achieved</li><li>• University Project</li></ul>   | <p><b>September 2022 – October 2024</b><br/>POLITECNICO DI TORINO, Torino – Italy</p> <p><b>Master's Degree in COMPUTER ENGINEERING – Computer Networks and Cloud Computing.</b><br/><b>Thesis in:</b><br/><b>"Exploring Device-to-Device (D2D) Communication in Cellular Technology. 5G and Beyond"</b><br/>Web Application for the rescuing of surplus food (like "Too good to go").<br/>Used technologies: React, Node JS, SQLITE, Passport.js, CSS, Javascript.</p>     |
| <ul style="list-style-type: none"><li>• Date (from – to)</li><li>• Name and type of education or training institution</li><li>• Qualification achieved</li><li>• Level in national classification (if appropriate)</li><li>• University Project</li></ul> | <p><b>October 2019 – 22 July 2022</b><br/>POLITECNICO DI BARI, Bari – Italy</p> <p><b>Bachelor's Degree in COMPUTER AND AUTOMATION Engineering.</b><br/><b>Thesis in "Development of a System for the acquisition and processing of electromyographic signals"</b><br/>With a score of 110/110 with honors<br/>"ZERO WASTE ERROR". Development of a Web Application that, through AI (Vertex AI n GCP) recognizes waste material and communicates correct disposal.</p>     |

## SELF-TRAINING

- Date (from – to)
- Name of training institution
- Qualification achieved

**24 February 2022 – 31 March 2023**

Fata Informatica

Certificate of participation in: **"ETHICAL HACKER & PENETRATION TESTER"**  
Online course with CPEH certification

- Date (from – to)
- Name of training institution
- Qualification achieved

**14 and 23 April, 6 May 2021**

Formazione Maggioli

Certificate of participation in: **"CYBERSECURITY: LEGAL AND PRACTICAL ASPECTS THE NEW FIGURE OF THE CYBER LAWYER"** held via videoconference

- Date (from – to)
- Name of training institution
- Qualification achieved

**26-28 August 2020**

KIWA – CERMET – Certification Company

Certificate of attendance and passing of the final exam of **"QUALITY MANAGEMENT SYSTEM AUDIT GROUP MANAGERS/AUDITORS"** held via videoconference.  
ACCREDIA accredited course

- Date (from – to)
- Name of training institution
- Qualification achieved

**29-31 July 2019**

KIWA – CERMET – Certification Company

Certificate of attendance and passing of the final exam of **"AUDITOR/LEAD AUDITOR OF INFORMATION SECURITY MANAGEMENT SYSTEMS ACCORDING TO ISO 27001:2017"**.  
ACCREDIA accredited course

- Date (from – to)
- Name of training institution
- Qualification achieved

**09-10 July 2019**

KIWA – CERMET – Certification Company

Certificate of attendance and passing of the final exam of **"BASIC MODULE FOR AUDITORS/AUDIT GROUP MANAGERS. ISO 19011:2018"**.  
ACCREDIA accredited course

## LANGUAGE SKILLS

NATIVE LANGUAGE

ITALIAN

OTHER LANGUAGES

ENGLISH – FLUENT

TECHNICAL SKILLS.

- Excellent knowledge of the ISO OSI stack, the main network protocols and routing techniques
- Detailed knowledge of IPv4, IPv6, MPLS, Cellular Networks, VPN, Local Area Networks, VLANs and Data Centers
- Practical knowledge of ONOS controller and Mininet
- Hands-on experience in Linux Virtualization
- Knowledge of different Virtual Infrastructure Managers (VIMs), such as OpenStack, Docker Swarm and Kubernetes, including their use of virtual networks
- Knowledge of programming languages such as JavaScript, Python, Matlab, Rust, C
- Knowledge of fundamental Machine Learning concepts
- Knowledge of the fundamental concepts of Data Science and Database Technologies
- Knowledge of the fundamental concepts of Information Systems Security
- Knowledge of fundamental concepts on the Architecture of Processing Systems
- Excellent knowledge of computers and the functioning of an operating system
- Good knowledge of Linux and the Bash shell
- Good knowledge of Mobile Operating Systems (Android and iOS)
- Knowledge of HTML and CSS
- Basic computer skills useful for the autonomous management of the main computer programs (Microsoft Word, Excel, Power Point)
- Constant propensity for updating

DRIVING LICENCE

Type B driving license

København, 22/08/2024

Pietro Marrone