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

• Date (from – to)	**August 2023 – August 2024 (Erasmus Programme)**
• Name and type of education or training institution	DTU (Danmarks Tekniske Universitet), Copenaghen - Denmark
• Qualification achieved	International program E+/EU PROGRAM COUNTRIES 2023/2024 "Courses and final project" project (courses and thesis preparation)
• University Project	"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.
• Date (from – to)	**September 2022 – October 2024**
• Name and type of education or training institution	POLITECNICO DI TORINO, Torino – Italy
• Qualification achieved	**Master's Degree in COMPUTER ENGINEERING – Computer Networks and Cloud Computing.** **Thesis in:** **"Exploring Device-to-Device (D2D) Communication in Cellular Technology. 5G and Beyond"**
• University Project	Web Application for the rescuing of surplus food (like "Too good to go"). Used technologies: React, Node JS, SQLITE, Passport.js, CSS, Javascript.
• Date (from – to)	**October 2019 – 22 July 2022**
• Name and type of education or training institution	POLITECNICO DI BARI, Bari – Italy
• Qualification achieved	**Bachelor's Degree in COMPUTER AND AUTOMATION Engineering.** **Thesis in "Development of a System for the acquisition and processing of electromyographic signals"**
• Level in national classification (if appropriate)	With a score of 110/110 with honors
• University Project	"ZERO WASTE ERROR". Development of a Web Application that, through AI (Vertex AI n GCP) recognizes waste material and communicates correct disposal.

SELF-TRAINING

• Date (from – to)	**September 2024**
• Name of training institution	Udemy
• Qualification achieved	Preparation course for **AWS Certified Cloud Practitioner (CLF-C02).**
• Date (from – to)	**24 February 2022 – 31 March 2023**
• Name of training institution	Fata Informatica
• Qualification achieved	Certificate of participation in: "**ETHICAL HACKER & PENETRATION TESTER**" Online course with CPEH certification
• Date (from – to)	**26-28 August 2020**
• Name of training institution	KIWA – CERMET – Certification Company
• Qualification achieved	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)	**29-31 July 2019**
• Name of training institution	KIWA – CERMET – Certification Company
• Qualification achieved	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)	**09-10 July 2019**
• Name of training institution	KIWA – CERMET – Certification Company
• Qualification achieved	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, 01/09/2024   Pietro Marrone