



MARCO MARTINELLI

CURRICULUM VITAE



Date of birth / 05/12/2000 Age / 23
Place of birth / ROVIGO (RO)
Nationality/ citizenship / Italy
Via P. Mascagni 103, 45100 ROVIGO (RO)
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SOCIAL NETWORK

in

FOREIGN LANGUAGE SKILLS



MOTHER TONGUE(S): Italian



ENGLISH
GOOD B2 B2 B2 B2 B2

DIGITAL COMPETENCES

DigComp

Information and data literacy **Independent user**

Communication and collaboration

Independent user

Digital content creation **Basic user**

Safety **Independent user**

Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
Doctoral studies

ECONOMIC SECTOR: **1.** computer science,
data processing and acquisition / **2.**
education, training, research and
development / **3.** logistics and
transportation

CAREER FIELD: **1.** Engineering and design /
2. R&D and patents / **3.** Organization

DESIRED JOB: **University research assistant**

PREFERRED DISTRICT TO WORK IN: **1.**
PADOVA / **2.** **TORINO**

AVAILABILITY FOR BUSINESS TRAVELS:
Yes, even frequently

AVAILABILITY TO RELOCATE ABROAD:
Yes, but only in Europe

Career Goal

In short, I would like to take on increasingly challenging roles that allow me to make independent decisions, as I believe I am a responsible person who is capable of successfully managing my own responsibilities. Additionally, I have a strong interest in coordinating work groups and hope to apply the knowledge gained during my academic journey in the field of designing and developing complex computer projects.



WORK EXPERIENCES

Educator and Trainer
CASA GP2 - SEMINARIO
DIOCESANO DI ROVIGO
ROVIGO (RO)
09/2019 - TODAY

Main activities and responsibilities: Educator and trainer for young people in the third, fourth, and fifth grades of high schools in the province of Rovigo, offering assisted and supervised cohabitation activities among them with individual and group growth goals.
Volunteer activities

Assistant Coach and
Partner Player
TEAM EDERA - BASKET
PARALIMPICO
(RO)
09/2018 - TODAY

Main activities and responsibilities: Assistant coach and player partner for the Paralympic basketball team 'Team Edera', formed by girls and boys with intellectual-relational disabilities. Team Edera is a reality belonging to the S.E.I. (Sport and Inclusion) association.
Volunteer activities

Lifeguard in Beach
Resorts
GUARDIAN SERVIZI S.R.L.
Tourism
ISOLA DI ALBARELLA (RO)
07/2023 - 09/2023

Main activities and responsibilities: During my seasonal employment as a beach lifeguard, I undertook a range of critical responsibilities to ensure the safety of beachgoers. In addition to constant surveillance of the bathing area, I applied skills acquired from courses in swimming rescue, rowboat rescue, and paddleboard rescue to swiftly reach individuals in distress. I successfully executed numerous rescues in both calm waters and adverse sea conditions, showcasing my ability to respond effectively under pressure. I also actively collaborated with the team for evacuation simulations and emergency plans, contributing to optimal preparedness for potential critical scenarios. My work experience involved proactive education of beachgoers on water safety and clear instruction delivery to promote safe swimming behaviors.

Professor of Computer
Science in Secondary
School
I.P.S. 'C. COLOMBO' DI
ADRIA
Education, training,
research and development
ADRIA (RO)
02/2023 - 06/2023

Main activities and responsibilities: During my months as a computer science teacher for first and second-year high school students, I fulfilled a range of pivotal responsibilities in fostering their understanding of the subject. I designed and delivered engaging lessons that catered to varying learning styles, introducing fundamental concepts in computer science and programming. I facilitated classroom discussions to encourage active participation and critical thinking, ensuring students grasped the foundational principles. Additionally, I provided guidance on practical projects, empowering students to apply their knowledge to real-world scenarios. Through regular assessments, I monitored their progress and tailored teaching methods accordingly, creating an inclusive and conducive learning environment.

Lifeguard in Beach
Resorts
ALTO ADRIATIKO S.R.L.
Tourism
LIDO DEGLI ESTENSI (FE)
06/2022 - 09/2022

Main activities and responsibilities: -
Acquired skills and achieved objectives: -
Employed as: other - fixed-length contract

Lifeguard in Beach Resorts

ALTO ADRIATIKO S.R.L.

Tourism

LIDO DEGLI ESTENSI (FE)
06/2021 - 09/2021

Main activities and responsibilities: -

Acquired skills and achieved objectives: -

Employed as: other - fixed-length contract

Lifeguard in Beach Resorts

ALTO ADRIATIKO S.R.L.

Tourism

LIDO DI SPINA (FE)
06/2020 - 09/2020

Main activities and responsibilities: -

Acquired skills and achieved objectives: -

Employed as: other - fixed-length contract

Lifeguard in Beach Resorts

GUARDIAN SERVIZI S.R.L.

Tourism

ISOLA DI ALBARELLA (RO)
06/2019 - 09/2019

Main activities and responsibilities: -

Acquired skills and achieved objectives: -

Employed as: other - fixed-length contract

Advertising Copywriter

MARKETING ARENA

Advertising, public relations

(RO)

03/2018 - 04/2018

Main activities and responsibilities: Advertiser and Copywriter for some companies in the area.

Employed as: intern/trainee - undergraduate internship | Company sector: Marketing/Communication

SPID (Public Service of Digital Identity) Training

CAMERA DI COMMERCIO DI VENEZIA

Computer science, data processing and acquisition

(RO)

03/2017 - 04/2017

Main activities and responsibilities: Training on the Public Digital Identity Service (SPID) by following seminars organized by Google

Employed as: intern/trainee - undergraduate internship | Number of hours: 12 | Company sector: Human Resources

Web Developer

COMITATO DEI BENI CULTURALI E AMBIENTALI DEL POLESINE

Computer science, data processing and acquisition

(RO)

02/2017 - 03/2017

Main activities and responsibilities: Realization and launch of the Polesine Cultural and Environmental Heritage Committee website, developed using WordPress.

Training of employees in the inclusion of articles in the page's blog and activities in the calendar.

Employed as: intern/trainee - undergraduate internship | Company sector: Engineering and design

data entry clerk

CAMERA DI COMMERCIO DI VENEZIA

Public administrations (municipalities, armed forces ...)

(RO)

11/2016 - 03/2017

Main activities and responsibilities: Controllo dell'integrità dei dati e conseguente inserimento nel gestionale dell'azienda.

Employed as: intern/trainee - undergraduate internship | Company sector: Administrative



ACADEMIC STUDIES

PH.D.

2024 - 2027

ONGOING STUDIES



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Università degli Studi di PADOVA

Faculty: Ingegneria dell'Informazione

Estrazione di entità e relazioni da dati biomedici per avanzare la comprensione delle relazioni tra i macrobiot intestinali e la salute mentale

Expected graduation date: 2027

MASTER'S DEGREE

2022 - 2024



Università degli Studi di PADOVA

Dipartimento di Ingegneria dell'Informazione

Computer Engineering

specific field of the degree course: web information and data engineering

LM-32 - 2nd level degree in Computer engineering

Dissertation/thesis title: Predictive Assessment of Human

Operators in Industry 5.0: a Conceptual Framework |

BACHELOR'S DEGREE
2019 - 2022
CERTIFIED TITLE



Dissertation/thesis subject: Sistemi Distribuiti | Thesis supervisor: Prof. Mauro Migliardi, Prof. Sérgio Ivan Lopes | Dissertation/thesis keywords: Industry 5.0, Predictive Assessment, Industrial Operators

Age at graduation: 23 | Official duration: 2 years
Final degree mark: **110/110 cum laude**
Graduation date: 03/09/2024

Università degli Studi di PADOVA
Dipartimento di Ingegneria dell'Informazione
Computer Engineering

L-8 - 1st level degree in Information technology
Dissertation/thesis title: Comparison between Compression with Quantization, Machine Learning with linear networks and Machine Learning with non-linear networks | Dissertation/thesis subject: FONDAMENTI DI TELECOMUNICAZIONI | Thesis supervisor: TOMASIN STEFANO | Dissertation/thesis keywords: Compressione Quantizzazione Machine Learning

Age at graduation: 21 | Official duration: 3 years
Final degree mark: **103/110**
Graduation date: 20/09/2022

SCIENTIFIC CERTIFICATE
ROVIGO
2019

LIC.SCIENTIFICO 'P.PALEOCAPA' - ROVIGO, ROVIGO (RO)
School-leaving examination mark: **89/100**
Kind of secondary school diploma: Italian secondary school diploma



FOREIGN LANGUAGE SKILLS

English First Certificate in English (Level B2), Cambridge Assessment English, 2019, **Europass level B2**



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Advanced) | **Presentation Software:** (Advanced) | **Spreadsheets:** (Advanced) | **Web Browser:** (Advanced) | **Word Processors:** (Advanced)

APPLICATION SOFTWARE

CAD - Assisted Design: (Foundation)

COMPUTER PROGRAMMING

Programming languages: C (Intermediate), C++ (Advanced), Java (Advanced), MATLAB (Foundation), Python (Advanced) | **Web Programming:** (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT

Network architecture: (Intermediate) | **Operating systems:** (Intermediate)

DATA MANAGEMENT

DBMS: (Advanced)

GRAPHICS AND MULTIMEDIA

GIMP (Foundation), Inkscape (Foundation)



STUDIES AND EXPERIENCES ABROAD

PORTUGAL
2024



Issued by:
UNIVERSITY OF PADOVA

European Union program (Erasmus+)

At: Instituto Politécnico de Viana do Castelo
Place: **Viana do Castelo (Portugal)** | **Language:** English | **Duration:** 5 (months)

Participation in international mobility programs is a time for personal and cultural growth.

A study abroad experience over an extended period fosters the development of skills, including soft skills, which broaden career opportunities and facilitate job placement.

The European Commission confirms that the Erasmus program improves the professional prospects and job mobility of

UNITED KINGDOM
2018

participants by increasing their employment rate.

Personal initiative (Intensive English Course Level B2)
Place: **Londra (United Kingdom)** | Language: English | Duration: 1 (months)
General intensive English language course lasting four weeks for 6 hours a day, aimed at obtaining the Cambridge level B2 linguistic certification. The first two weeks of lessons were held in London and the last two in Portsmouth.



AWARD / SCHOLARSHIP
2023

PROFESSIONAL ACCOLADES AND AWARDS

Mille e una lode
Grading in list: Secondo



CONFERENCES
01/09/2024

CONFERENCES AND SEMINARS

IEEE ETFA 2024 - 29th International Conference on Emerging Technologies and Factory Automation , Padova, Italia
ETFA 2024 is the 29th Annual Conference of the IEEE Industrial Electronics Society (IES) focusing on the latest developments and new technologies in the field of industrial and factory automation. The conference aims to disseminate novel ideas and emerging trends, research results and practical achievements.
2024.ieee-etfa.org/

CONFERENCES
01/07/2024

SASYR 2024 - 4th Symposium of Applied Science for Young Researchers , Bragança, Portugal
The main objective of SASYR is to provide a friendly and relaxed environment for young researchers to present their work, discuss recent results, and develop new ideas.
sasyr.ipb.pt/EN_index.html

CONFERENCES
01/09/2023

CLEF 2023 - 14th Conference and Labs of the Evaluation Forum , Salonicco, Grecia
CLEF 2023 is the 14th CLEF conference continuing the popular CLEF campaigns which have run since 2000 contributing to the systematic evaluation of information access systems, primarily through experimentation on shared tasks.
clef2023.clef-initiative.eu/index.php



PUBLICATIONS

CONFERENCE PROCEEDINGS
2024

Marco Martinelli; Sérgio Ivan Lopes; Mauro Migliardi., Predictive Assessment of Human Operators in Industry 5.0: a Conceptual Framework
Organization: IEEE ETFA 2024 - 29th International Conference on Emerging Technologies and Factory Automation

MASTER'S DEGREE
DISSERTATION
2024

Marco Martinelli
Relatore: Prof. Mauro Migliardi
Correlatore: Prof. Sérgio Ivan Lopes, Predictive Assessment of Human Operators in Industry 5.0: a Conceptual Framework
Institution: Università degli Studi di Padova
thesis.unipd.it/handle/20.500.12608/69366

CONFERENCE PROCEEDINGS
2024

Marco Martinelli; Sérgio Ivan Lopes; Mauro Migliardi, Predictive Operator Assessment in Industry 5.0
Organization: SASYR 2024 - 4th Symposium of Applied Science for Young Researchers

CONFERENCE PROCEEDINGS
2023

Antolini Gianluca; Boscolo Nicola; Cazzaro Mirco; Martinelli Marco; Safavi Seyedreza; Shami Farzad; Ferro Nicola., SEUPD@CLEF: Team CLOSE on Temporal Persistence of IR Systems' Performance

DEGREE THESIS
2022

Organization: CLEF 2023 - 14th Conference and Labs of the Evaluation Forum

This paper presents the work of the CLOSE group, a team of students from the University of Padua, Italy, for the Conference and Labs of the Evaluation Forum (CLEF) LongEval LAB 2023 Task 1. Our work involved developing an Information Retrieval (IR) system that can handle changes in data over time while maintaining high performance.

www.scopus.com/inward/record.url?partnerID=3M...

Marco Martinelli

Relatore: Prof. Stefano Tomasin

Correlatore: Dott. Alberto Rech, Confronto tra la Compressione con Quantizzazione, Machine Learning con reti lineari e non lineari

Institution: Università degli Studi di Padova

thesis.unipd.it/handle/20.500.12608/33738