

FRANCESCO MARIA LA ROTA

CURRICULUM VITAE



Date of birth / 11/04/1985
Place of birth / FAENZA (RA)
Nationality/ citizenship / Italy
ARGENTA (FE)

ID/104993404 updated on 11/01/24

✉ francesco.larota@gmail.com

📞 3288407972

FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



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|---------|------|----|----|----|----|----|
| ENGLISH | FAIR | B1 | B1 | B1 | B1 | B1 |
|---------|------|----|----|----|----|----|

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|--------|---------|----|----|----|----|----|
| FRENCH | LIMITED | A1 | A1 | A1 | A1 | A1 |
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DIGITAL COMPETENCES

Self-assessment grid

Information processing **Proficient user**
Communication **Proficient user**
Content creation **Proficient user**
Safety **Proficient user**
Problem solving **Proficient user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

ECONOMIC SECTOR: 1. computer science,
data processing and acquisition / 2.
consultancy (management, legal,
accounting, ...)

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

PREFERRED DISTRICT TO WORK IN: 1.
FERRARA / 2. BOLOGNA

AVAILABILITY FOR BUSINESS TRAVELS:
Yes, even frequently



WORK EXPERIENCES

Libero professionista
LIBERO PROFESSIONISTA
(SETTORE INFORMATICA)
(FE)
08/2020 - TODAY

Main activities and responsibilities: Consulenza su sistemi
informatici, elettronici e telecomunicazione.

Progettazione soluzioni di Computer Vision.

Working as: freelance worker

university research
assistant
UNIVERSITÀ DI BOLOGNA -
FACOLTÀ DI AGRARIA
Education, training,
research and development
BOLOGNA (BO)
07/2023 - 06/2024

Main activities and responsibilities: Research fellowship title: 'IT
systems for analysis, model and desing of smart things for
agriculture'

Employed as: other - fixed-length contract | Company sector:
Engineering and design

Research fellowship
UNIVERSITÀ DI BOLOGNA -
FACOLTÀ DI AGRARIA
Education, training,
research and development
BOLOGNA (BO)
04/2022 - 03/2023

Main activities and responsibilities: Research fellowship title: 'Deep
learning for monitoring and data acquisition in livestock'

Employed as: other - fixed-length contract | Company sector:
Engineering and design

Borsista di ricerca
UNIVERSITÀ DI BOLOGNA -
FACOLTÀ DI AGRARIA
Education, training,
research and development
BOLOGNA (BO)
11/2020 - 08/2021

Main activities and responsibilities: Grant title: 'Computer vision
applied to dairy cattle monitoring'

Research grant concerning how to apply the Computer Vision to
study the behaviour of dairy cattle in a cowshed.

Employed as: other - fixed-length contract | Company sector:
Engineering and design

Software developer
SPECIALVIDEO SRL
Computer science, data
processing and acquisition
IMOLA (BO)
10/2015 - 04/2020

Main activities and responsibilities: Design and develop of
softwares based on Computer Vision for industrial applications,
quality control and vision guided robotic systems.

Acquired skills and achieved objectives: - computer vision applied
to industrial production, study/design of vision algorithm, deep
learning, stereo vision and 3D systems

- evaluation and choosing of the correct lens and camera, based
on system needs, and also experience on other devices like laser
and lights

- team working

- customer relations

- work abroad

Employed as: intern/trainee - indeterminate length contract |

Company sector: Information systems, EDP

other information

Currently employed: Yes

Work experience made during studies: Yes



ACADEMIC STUDIES

MASTER'S DEGREE

Alma Mater Studiorum - Università di Bologna

2013 - 2015
CERTIFIED TITLE



Scuola di Ingegneria e Architettura

INGEGNERIA INFORMATICA

LM-32 - 2nd level degree in Computer engineering

Dissertation/thesis title: Sistema basato sulla visione artificiale per la regolazione automatica dello specchio retrovisore di un'automobile | Dissertation/thesis subject: COMPUTER VISION AND IMAGE PROCESSING M | Thesis supervisor: DI STEFANO LUIGI | Dissertation/thesis keywords: visione artificiale specchio automobile automatico

Age at graduation: 30 | Official duration: 2 years

Final degree mark: **110/110 cum laude**

Graduation date: 12/10/2015

BACHELOR'S DEGREE

2004 - 2008
CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna

Facoltà di Ingegneria

INGEGNERIA INFORMATICA

9 - Class of first level degree in Information Technology

Dissertation/thesis title: MIDDLEWARE PER MONITORAGGIO E CONTROLLO DI CONNETTIVITÀ BLUETOOTH IN AMBIENTE MULTI-PIATTAFORMA | Dissertation/thesis subject: SISTEMI

OPERATIVI L-A | Thesis supervisor: BELLAVISTA PAOLO | Dissertation/thesis keywords: middleware Bluetooth monitoraggio connettività'

Age at graduation: 23 | Official duration: 3 years

Final degree mark: **103/110**

Graduation date: 19/06/2008



INFORMATION TECHNOLOGY SKILLS

BASIC DIGITAL COMPETENCE

Operating systems **Excellent**

Programming languages **Excellent**

Word processing **Excellent**

Electronic spreadsheet **Excellent**

Data base administrators **Excellent**

CAD skills **Good**

Internet skills **Excellent**

Data transmission networks **Excellent**

Web-site creation **Good**

Multimedia **Excellent**

PROGRAMMING LANGUAGES KNOWN

C, C++, C#, VB, VB.NET, Java



CONFERENCES AND SEMINARS

CONVENTIONS

15/06/2017

International Conference of Electrical and Electronic Technologies for **Automotive** , Torino (Italy)

Presentation of 'Automatically adjustable rear mirror based on Computer Vision'.



PUBLICATIONS

CONFERENCE PROCEEDINGS

2017

Francesco M. La Rota, Luigi Di Stefano, Automatically adjustable rear mirror based on computer vision

Collection: Electrical and Electronic Technologies for Automotive Organization: International Conference of IEEE

The paper proposes a fully automatic system based on computer vision that can orient the interior rear view mirror of a car so as to seamlessly provide the driver with a correct rear view.



ADDITIONAL INFORMATION

He worked on Computer Vision, designing and developing ad-hoc vision system for industry. He dealt with different kinds of vision systems: different in technology like 2D system and 3D reconstruction, different in industrial scope ranging from manufacturing sector to agriculture, different in appliance ranging from vision guided robot systems to quality control.