Francesco Immorlano

Nationality: Italian

Gender: Male

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in **LinkedIn :** https://www.linkedin.com/in/francesco-immorlano/

WORK EXPERIENCE

Postgraduate Research Assistant
CMCC Foundation – Centro Euro-Mediterraneo sui Cambiamenti Climatici [05/2020 – Current]

City: Lecce
Country: Italy

Advanced Scientific Computing (ASC) Division

EDUCATION AND TRAINING

Ph.D. in Engineering of Complex Systems
Università del Salento [11/2020 – Current]

Address: Lecce (Italy)

Department of Engineering for Innovation

Ph.D. program focusing on the study of Machine Learning for Climate Change applications.

Professional qualification as Licensed Engineer (Information Technology area)
Università del Salento [07/2020]

Address: Lecce (Italy)

Master of Science in Computer Engineering
Università del Salento [2017 – 2020]

Address: Lecce (Italy)
Field(s) of study: Information and Communication Technologies

Final grade: **110/110 with honours (Summa cum Laude)**

Master Thesis in **High Performance Computing**

Thesis title: **The use of Machine Learning for detection and tracking of tropical cyclones**

Academic Supervisor: **Giovanni Aloisio (Full Professor)**

Bachelor of Science in Information Technology Engineering
Università del Salento [2014 – 2017]

Address: Lecce (Italy)
Field(s) of study: Information and Communication Technologies

Final grade: **110/110**

Thesis in **Computer Networks**

Thesis title: **Design and development of an Android-based application for configuring and monitoring a mini-computer through Bluetooth technology**

Supervisor: **Luigi Patrono (Assistant Professor)**

High School Diploma
Istituto d'Istruzione Secondaria Superiore "Enrico Fermi" [2009 – 2014]

Address: Lecce (Italy)
Field(s) of study: Information and Communication Technologies

Final grade: **100/100**

Specialization: **Computer Science – Abacus**

LANGUAGE SKILLS

Mother tongue(s):

Italian

English

LISTENING: B2 **READING:** B2 **WRITING:** B2
SPOKEN PRODUCTION: B2 **SPOKEN INTERACTION:** B2

CONFERENCES AND SEMINARS

TriesteNext Academy – Scientific Research Festival
[Trieste, Italy, 26/09/2019 – 29/09/2019]

Galileo Festival Academy – Science and Innovation Week
[Padova, Italy, 08/05/2019 – 11/05/2019]

Green Week – Green Economy Festival

[Trento, Italy, 28/02/2019 – 03/03/2019]

VMUG Meeting

[Università del Salento, Lecce, Italy, 05/04/2018]

PROJECTS

Python implementation of a complementary control of the depth of an underwater robot with actuator redundancy

Test and processing of the results of ResNet-101-FPN neural network for people detection

Design and implementation of a ROS simulation platform for wheeled-robots with path planning in presence of obstacles

Java software system for the support and the management of the activities of a university department (courses, lessons, timetables, messages between students and professors)

It is comprehensive of two web applications and a mobile application.

Java desktop application for the management of an automate warehouse of office supplies

HONOURS AND AWARDS

"Best Business Plan" award

Università del Salento [06/2019]

Contamination Lab II Edition

Final grade: **30/30**

ORGANISATIONAL SKILLS

Organisational skills

Excellent organisational skills acquired during education years and improved through university.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

Excellent communication skills and natural aptitude to work in team improved through the participation in different projects carried out in the context of university exams. I think there is a lot to learn from other people: collaboration is crucial to get better results.

JOB-RELATED SKILLS

Job-related skills

- Advanced knowledge of tools and techniques of Information and Communication Technology for design and management of information systems, computers, computer networks, databases and automatic control systems
- Computer Programming: Java, C, Python, Bash, MATLAB, SQL, HTML, CSS, TypeScript
- Good knowledge of image processing techniques
- Good knowledge of Deep Learning and Machine Learning frameworks
- Good knowledge of LaTeX

COURSES

Corso di formazione per lavoratori rischio medio – Parte specifica

[09/2019 – 10/2019]

Università del Salento, Lecce, Italy

- Rischi elettrici generali (1 ora)
- Posture corrette nell'utilizzo di videoterminali (1 ora)
- Cenni di rischio da agenti fisici (radiazioni ottiche artificiali, campi elettromagnetici, rumore) e dispositivi di protezione individuale e collettiva (2 ore)
- Cenni sulla qualità ambientale indoor: microclima, qualità dell'aria, illuminamento e acustica (1 ora)
- Rischi meccanici generali, infortuni mancati, procedure di sicurezza e norme comportamentali nei laboratori (2 ore)
- Rischio incendio, gestione delle emergenze (procedure di esodo e di primo soccorso) e segnaletica di sicurezza (1 ora)

Contamination Lab II Edition

[12/2018 – 06/2019]

Università del Salento, Lecce, Italy

Corso di formazione generale sui temi della salute e sicurezza sul lavoro

[05/2019]

Università del Salento, Lecce, Italy

- Macrosettori ATECO 1-2-3-4-5-6-7-8-9

10th INTERNATIONAL MASTERCLASSES 2014 – hands on particle physics

[04/2014]

Department of Mathematics and Physics "E. De Giorgi" – Università del Salento, Lecce, Italy

School in company 1

[06/2012]

CLIO spa – Lecce, Italy

120 hours

- Web Oriented programming
- ICT products, businesses and processes
- Company solutions, strategies and techniques