



Emanuele Donno

Date of birth: 14/07/1994 | **Nationality:** Italian | (+39) 3283339342 |
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Nizza street, 28, 73100, Lecce, Italy

About me:

University of Salento:

I started studying at the University of Salento in 2013 taking the course of study in Physics in the Faculty of Mathematical, Physical and Natural Sciences. In 2016 I made the course transition by switching to attend the course of study in Information Engineering.

From 2016 to 2019 I attended the course of study in Information Engineering bringing it to completion with a grade of 97/110. At the moment I am attending the course of study of Master's Degree in Computer Engineering at the University of Salento started in the year 2019.

Math and Physics Tutor:

For several years I worked as a freelancer as a tutor helping kids attending secondary school and coming from heterogeneous high schools. The main objective of the tutoring activity was to train the students in the mathematical and physical disciplines in order to develop a method that would allow them to study at their best.

WORK EXPERIENCE

08/2014 – 09/2018 – Lecce, Italy

TUTOR

The main objective of the tutoring activity was to train the students in the mathematical and physical disciplines in order to develop a method that would allow them to study at their best.

EDUCATION AND TRAINING

08/2019 – CURRENT – Lecce-Monteroni Street, Lecce, Italy

MASTER DEGREE IN COMPUTER ENGINEERING – University of Salento, Innovation Engineering Department

General

- Proficiency in Big Data Management
- Proficiency in Computer Vision
- Proficiency in Decision Support System
- Proficiency in High Performance Computing
- Proficiency in Internet of Things
- Proficiency in Robotics
- Proficiency in Sequential and Parallel Algorithms and Data Structures
- Proficiency in Software Engineering
- Proficiency in System and Network Programming

Estimated graduation date: June/July 2022

www.unisalento.it

10/2016 – 28/07/2019 – Lecce-Monteroni Street, Lecce, Italy

BACHELOR DEGREE IN INFORMATION ENGINEERING (GRADE: 97/110) – University of Salento, Innovation Engineering Department

General

- Proficiency in Automation Fundamentals
- Proficiency in Communication Fundamentals
- Proficiency in Computer Networks
- Proficiency in Physics and Maths
- Proficiency in Probability Theory and Statistics
- Proficiency in Software Design Principles
- Proficiency in UNIX-Like Operating Systems

Field(s) of study

- Information and Communication Technologies

Thesis: Design and development of the back-end sub-system for an event management service
97/110 | www.unisalento.it

08/2013 – 10/2016 – Lecce-Monteroni Street, Lecce, Italy

BACHELOR DEGREE IN PHYSICS (NOT GRADUATED) – University of Salento, Department of Mathematics and Physics "Ennio De Giorgi"

General:

- Proficiency in Physics and Maths
- Experiences gained during the course of physics laboratories
- Proficiency in leadership and teamwork

Field(s) of study

- Natural sciences, mathematics and statistics : *Physical sciences not further defined*

not graduated | www.unisalento.it

08/2008 – 06/2013 – Viale Michele De Pietro, 14, Lecce, Italy

HIGH SCHOOL DEGREE (GRADE 73/100) – Liceo Scientifico "Cosimo De Giorgi"

73/100 | <https://liceodegiorgi.edu.it>

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

My Digital Skills

Documents

Microsoft Word | Pages

Presentations

Microsoft Powerpoint | Keynote

Spreadsheets

Microsoft Excel | Numbers

General skills

Google Suite (Gmail, Google Drive, Google Slide, Google Sheets, Google Docs, Google Forms, Google) | LaTex

Softwares for taking notes

Notion | Obsidian

Softwares for projects management

Trello for task management | Git for code versioning during team projects

DRIVING LICENCE

Driving Licence: B | 17/09/2015 – 13/07/2026

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and relational skills

- Good communication skills gained within the professional figure of front-office manager at Acaya Golf Club
- Communication and relational skills acquired in the participation in a panel of experts in the management of the scientific laboratory of the Faculty of Physics regarding the problems of electromagnetic fields
- Communication skills acquired within the figure of account manager operating in management and control of various sector budgets in Salento Racing Team at the University of Salento
- Communication and relational skills acquired in the management of human resources of a team of six people within the project Samsung Innovation Camp at the University of Salento

PROFESSIONAL OBJECTIVES

Working in the fields of Machine Learning, Computer Vision, Data Science, Big Data Management and Robotics

The primary goal in my career is to apply what I have studied and increase skills especially in the fields of Machine Learning, Computer Vision, Data Science, Big Data Management and Robotics. I believe that these disciplines are the future and that they are the best way to achieve goals that were previously thought unattainable. The application of these in the various fields of human knowledge can be the key to design and build a better future.

PROFESSIONAL SKILLS

General skills

- Design and implementation of Machine Learning pipelines in Python
- Analysis and design of feasible solution for Computer Vision problems
- Design of Relational and Non-Relational Databases
- Manage Spring REST Servers
- Design and implementation of Web and Mobile architectures
- Development of plugins for CMSs
- Configure Cloud environments
- Embedded systems

Programming Languages

- C
- Python
- Java
- Typescript
- Javascript
- SQL
- Shell Bash
- STRIPS
- AMPL
- LaTex

Markdown languages

- HTML5
- CSS

Libraries

- Tensorflow
- Pytorch

- Keras
- MPI
- Scikit-Learn
- Pandas
- Numpy
- DoWhy

Frameworks

- Spring
- Ionic
- Angular
- Bootstrap

Blockchain

- IOTA

Container Managers

- Docker (basic setup and management)

Database

- MySQL
- SQLite
- MongoDB

Content Management System

- Drupal

External APIs

- API Google Maps Javascript
- Reverse Geocoding
- OpenStreetMap Maps
- IOTA MAM (Masked Authenticated Messages)

Cloud Technologies

- Google Firebase

Softwares and IDEs

- IntelliJIdea
- WebStorm
- CLion
- PyCharm
- XCode
- VSCode
- BBEdit
- Eclipse
- Scene Builder
- MySQL Workbench
- GitHub and git
- Jupyter Notebook
- Google Colab
- SQLite Studio
- Spring Tool Suite
- Coppelia Sim
- Postman
- Docker

- Cisco Packet Tracer

Graphical Tools for Mockups

- App mockups
- Balsamiq
- Draw.io for UML and ER/MR diagrams

● ADDITIONAL INFORMATIONS

Certifications

- IELTS certification obtained on 27th July 2019, average grade: 6.0/9.0, CEFR level B2
- Samsung Innovation Camp Diploma

Projects

Bachelor degree - Software Design Principles exam

- Standalone Java design and implementation of an online grocery and non-grocery shopping system.

Bachelor degree - thesis

- Thesis project "**Design and development of the back-end sub-system for an event management service**" where I developed the backend server exposing REST APIs. The backend sub-system has been developed using Spring framework (Spring Boot) following the MVC architecture.

Master degree - Software Engineering exam

- Architectural design and implementation of a LinkedIn-like multi-user system. Front End was developed in Angular and Ionic, and a Spring Boot REST Server for the back end, Google Firebase cloud service has been used in the implementation of push and bulk notifications.

Master degree - Internet Of Things exam

- **MAD (My Accessible Data)** - This project is my brainchild as a response to the growing demand for security in terms of policies, storage and exchange of personal data. This project, designed and developed as multi-user system, aims to provide a mobile or web application that uses IOTA's Masked Authenticated Messaging (MAM) protocol to exchange information between users. This information can be of any kind, such as personal, medical, financial, etc. What's new is that a person has the ability to securely exchange personal information between other people (e.g. boss, doctors, bank officials, etc...). This project allows people to be the true owners of their personal data. The front end of the project was developed in Angular and Ionic while for the backend a Spring Boot REST Server was created that exposes the REST API; it also uses IOTA's Tangle blockchain to exchange information between users of the system.

Master degree - Big Data Management exam

- Design and implementation of Drupal plugin to configure a Content Management System to support distance learning. It has been designed a relational database, through Materialized Table approach. Springboot Backend, through several stored procedures, exchanged both configuration and data information with the main drupal backend. An Angular Front End has been provided, too.

Master degree - High Performance Computing exam

- Polynomial and Multivariate regression analysis and application of Kalman Filter to Covid-19 spread and development, using SIR compartmental model. In this case, it has been used Jupyter Notebook as well as Google Colab for Linear Multivariate Regression analysis and Kalman filter implementation.

Master degree - Parallel Algorithms exam (ongoing)

- Parallel design and implementation of Fast Hartley Transform (FHT) in the unidimensional case, using parallel message passing C library, MPICH.

Interests

- Data Science
- Machine Learning and AI
- Computer Vision
- Internet of Things
- Data Analytics and Big Data
- Cyber Security
- Operating Systems
- Videogame Design

- Physics
- Maths

● ATTACHMENTS

Documents

- IELTS certification obtained on 27th July 2019, average grade: 6.0/9.0, CEFR level B2
- Samsung Innovation Camp Diploma

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are **not** designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed **after two years** from the date of the test.

Centre Number

IT264

Date

27/JUL/2019

Candidate Number

002631

Candidate Details

Family Name

DONNO

First Name

EMANUELE

Candidate ID

CA04673EL



Date of Birth

14/07/1994

Sex (M/F)

M

Scheme Code

Private Candidate

Country or Region of Origin

ITALY

Country of Nationality

ITALIAN

First Language

ITALIAN

Test Results

Listening

6.0

Reading

6.5

Writing

5.5

Speaking

6.5

Overall Band Score

6.0

CEFR Level

B2

Administrator Comments

Centre stamp

British Council
Rome

Validation stamp



Administrator's Signature

Tanwallarku

Date

08/08/2019

Test Report Form
Number

19IT002631DONE264A



Innovation Camp
SAMSUNG

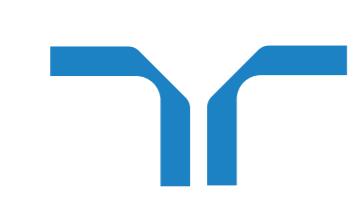
DIPLOMA

Si attesta che in data 07/03/2019

Emanuele Donno

ha completato il percorso **Samsung Innovation Camp**
sui temi di **Innovation and Technology,**
Business Strategy e **Digital Marketing.**

Per un totale di 25 ore di corso online, due giornate di formazione in aula e
la realizzazione di un Project Work su un business case reale.

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 SAMSUNG