



Irene Tafani

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● WORK EXPERIENCE

29/02/2024 – CURRENT Vienna, Austria

VISITING PHD STUDENT COMPLEXITY SCIENCE HUB

During my visiting period I am:

- working with Western-Central Africa IOM's flow data
- applying network science to real migration phenomena
- working in an interdisciplinary and stimulating environment
- working in the Migration group (supervisor: Rafael Prieto-Curiel)

11/2022 – CURRENT Lucca , Italy

PHD STUDENT IMT ALTI STUDI LUCCA

During my first year and a half in IMT I have:

- acquired knowledge on econometric methods
- improved my time management
- got to know the world of academic research
- followed many courses involving network science and social networks
- submitted my first article on the impact of the EU-Turkey deal on lives lost at sea

09/2021 – 09/2022 Siena, Italy

JUNIOR DATA SCIENTIST QUEST-IT S.R.L.

During my work experience in Quest-it I have had the chance to deepen my knowledge in some Artificial Intelligence field as:

- Text-to-Speech techniques
- Analysis of Audio data
- Analysis of Images

And some tools:

- AWS Batch, S3, ECR, Docker

09/2020 – 11/2020 Siena, Italy

JUNIOR DATA SCIENTIST AUBAY ITALIA S.P.A

During my internship at Aubay S.p.A. I learnt:

- how to cooperate with my colleagues (teamworking).
- how to train a deep neural network with tensorflow
- how to deal with Natural Language Processing

● EDUCATION AND TRAINING

08/2019 – 12/2021

2 YEARS MASTER OF SCIENCE IN DATA SCIENCE Università di Trento

studied these subjects:

- Mathematics for Data Science

- ICT and Law Privacy and Security
- Scientific Programming
- Professional English for Data Science
- Statistical Methods
- Statistical Models
- Data visualization Lab
- Introduction to machine learning
- Computational Social Science
- Big Data Technologies
- Deep Learning
- Laboratory of IOT
- Machine Learning
- Lab. of Customers and Business Analytics
- Network Science

Website <https://offertaformativa.unitn.it/en/Im/data-science> | **Final grade** 110 Cum laude |

Thesis Ball detection for soccer game analysis

08/2017 – 01/2018 Lille, France

ERASMUS+ Université Lille 1, IAE

- improvement of my language skills: english and french.
- learnt through different teaching methods
- learnt how to deal with group works and how to relate to the group members
- learnt how to appreciate different cultures
- learnt how to be efficiently independent
- improved my organizational ability
- learnt Marketing, Behavioural economics and Management systems

08/2015 – 17/01/2019 Siena, Italy

BACHELOR'S DEGREE IN BUSINESS AND ECONOMICS Università degli Studi di Siena

- knowledge of the fundamentals of economics
- knowledge of the fundamentals of accounting and management
- knowledge of the fundamentals of law
- knowledge of the fundamentals of marketing
- knowledge of the fundamentals of Excel and Access

Final grade 110 Cum laude | **Thesis** Il fenomeno del Prosocial Behavior: cause teoriche e applicazioni.

07/2013 – 05/2014 Saint Charles, United States

STUDY ABROAD CERTIFICATE (HIGH SCHOOL) Saint Charles North High School

- acquisition of C1 level of english
- passed all classes: U.S. History (A), English: Multiple Perspective (B), Fashion Design (A), Math Pre Calc (A), 2D Art (A), French (A), Chemistry (A), Physical Activity (A).
- learnt how to easily adapt to different situations (new school, new family and new friends)
- necessity to be open-minded and to acquire a critical sense
- learnt to believe in myself by obtaining important goals (sport, school grades and relationships)

10/2018 – 23/12/2018 Italy

CERTIFICATE OF ATTENDANCE TO THE COURSE : IMPATTO DI INDUSTRIA 4.0 NELLE DIVERSE AREE AZIENDALI Progetto Trio - Regione Toscana

- I've learnt the meaning of "Industry 4.0".
- I've learnt what kind of technologies the firms need to be 4.0.
- I've learnt the advantages and the disadvantages of the Industry 4.0.
- I've learnt how the development of the Industry 4.0 differs from country to country.
- I've learnt how important it is to educate people about this new concept of Industry.

02/2015

ADVANCED CAMBRIDGE CERTIFICATE (C1) Cambridge Assessment English

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
FRENCH	B1	B2	B1	B1	B1
GERMAN	A1	A1	A1	A1	A1

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

● DIGITAL SKILLS

Microsoft Word | Google Drive | Power Point | Google Docs | Microsoft Excel | Social Media | Zoom | Databricks | Google Colaboratory | AWS Batch | AWS S3 | AWS ECR

Programming skills

Programmin language PYTHON | Machine Learning: TensorFlow & PyTorch & Scikit-learn | R
Programing | Node-RED

● ORGANISATIONAL SKILLS

Organisational skills

- good team-leading skills gained thanks to group projects and thanks to my sport team
- good organizational skills gained through my study and work experience
- natural inclination to optimize time in relation to the things to be done

● HOBBIES AND INTERESTS

Interests

I love going horseback riding, basket and driving my Honda Transalp through the Tuscan hills!
I also like following international news to always be updated on the most recent facts.

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- good communication skills gained through my experiences abroad, my work experience and in my sport experience.
- I can easily communicate with people since I'm a calm and open-minded person. I don't find it difficult to see things from different perspectives since I'm used to discuss with people coming from all around the world
- good emotional intelligence