

PERSONAL INFORMATION

Donato Crisostomi

EDUCATION AND TRAINING

23/09/2019–Present

Master's degree in Computer Science

EQF level 7

Sapienza University of Rome, Rome (Italy)

Anticipated graduation date: oct 2021

Focusing on

- Machine Learning
- Deep Learning
- NLP
- Social and Behavioral Networks analysis
- Graph theory
- Algorithms

19/09/2016–22/10/2019

Bachelor's degree in Computer Science

EQF level 6

Sapienza University Of Rome, Rome (Italy)

110/110 (Magna cum laude) GPA equivalent 3.96/4.0

Main subjects covered:

- Calculus
- Linear algebra
- Probability theory and statistics
- Discrete mathematics and logic
- Artificial intelligence
- Programming methodologies and frameworks
- Databases design and realization
- Software engineering
- Algorithms and data structures: design, complexity analysis and approximations
- Optimization techniques
- Operating systems

WORK EXPERIENCE

20/04/2019–22/10/2019

Research intern (BsC Thesis)

Sapienza University of Rome, Roma (Italy)

- Design and development of a software toolchain for the generation of simulable cellular models.
- Fitting of the resulting biological parameters through artificial intelligence techniques.
- Autonomous acquisition of biological data from online repositories.

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	C1	C1	C1	C1	C1
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Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Job-related skills**General skills:**

- Proficient in Python and Java
- Familiar with C, C++ and R
- Exercised knowledge of data analysis libraries (NumPy, pandas, matplotlib, ...)
- Experience with ML libraries (PyTorch, TensorFlow, Keras, ...)
- Proficient in SQL
- Good knowledge of the Unix operating system
- Proficient in writing professional-looking LaTeX documents

Artificial Intelligence:

- Symbolic AI methodologies (constraint programming, reasoning, planning, ...)
- Generative models (Bayesian networks, GANs, ...)
- Discriminative models (linear regression, neural networks, ...)
- Natural language processing (neuro-symbolic approaches, WSD, ...)
- Clustering (K-means, hierarchical, correlation clustering, ...)
- Reinforcement learning
- Hands-on experience on large datasets, comprehensive of data extraction, cleaning, analysis, feature engineering etc.

ADDITIONAL INFORMATION**Conferences**

Conference: "ETHICAL AND LEGAL STATUS OF ARTIFICIAL INTELLIGENCE", Rome, 21-22/11/2019.

Invited as a meritorious student to attend the conference and help design proper rules for the use of artificial intelligence.