

Daniele Lanciotti

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Education

Bachelor of Physics

2018 - Present

Sapienza University of Rome

- **Coursework** 📄:

- Scientific Computing: 30/30
- Computational Physics: 30/30
- Artificial Intelligence and Machine Learning: 30/30 cum Laude
- Mathematical Logic: 30/30 cum Laude
- Vector, Complex and Functional Analysis, Linear Algebra, Statistics
- Classical and Modern Physics

- **Thesis topic:** Quantum Computing

CyberChallenge

Feb - May 2021

Admitted to CyberChallenge.IT cybersecurity training. (certificate)

Bachelor of Computer Engineering

2017 - 2018

Alma Mater Studiorum - University of Bologna

- **Coursework:** C programming, Java programming.

Scientific High School

2012 - 2017

Benedetto Rosetti

San Benedetto del Tronto

- **Mathematical Games** 📄: 2017 international semifinals First place.

Work Experiences

Key Partner

June - October 2023

Hyperautomation Programmer Consultant

Rome

Contributed to the automation of business processes of several clients through the use of technologies such as Appian and Blue Prism (certificate) after two months of theoretical and practical training through lectures and application development.

Projects

- Published a Python package, telegramlib, on PyPI, to facilitate the creation and management of Telegram bots: pypi.org/project/telegramlib.
- Built a Python Telegram chatbot based on GPT-3 of OpenAI and the Multilingual Language Model bigscience/bloom: t.me/BLOOM_chatbot.
- Built Square Escape, a video game using Unity in collaboration with friends: logopsychagogia.itch.io/square-escape
- Development of a Deep Learning-based model with Keras for baseline background subtraction in nonlinear Raman spectra: illancio.github.io/SpettriRaman.pdf

Skills

Programming Languages: Python, C, C#, Java, R, SQL, XML, \LaTeX

Technologies: Unity, Processing, Arduino, Git, Linux, BluePrism, Appian, Pandas, Scikit, Tensorflow, Keras

Languages: Italian (Native), English (B2)

Interests

Mathematical Logic, classical and quantum Information Theory, Computational Physics, Complex Systems, Data Analysis and Artificial Intelligence.