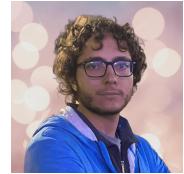


Cristian Curaba

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in Cristian-Curaba • 🌐 Cristian-Curaba



About me

I am a Data Scientist student with a strong mathematical background. I am looking for a dynamic environment where I can improve my data science skills. My goal is to become skilful enough to fill a role which improves the world successfully. I value being a collaborative, passionate and trustworthy colleague. I am a curious and eclectic student who loves working in groups.

Education

University of Trieste, Italy.

First level Master's degree in Data Science and Scientific Computing

Expected graduation date: October 2024

Current GPA: 28,7/30.

2022 – present

School for Advanced Studies of Udine – Second level Master's degree

Student of the scientific class.

2019 – present

The School for Advanced Studies of the University of Udine "Di Toppo Wassermann" is a higher learning institution based on merit. After a selective admission (including two written and an oral examination), it provides a five-year scholarship covering taxes, board and lodging. During this period, students have to attend extra courses and exams, and in the end, we gain a second-level Master's degree diploma. Learn more about the School at <https://scuolasuperiore.uniud.it>.

University of Udine, Italy.

Bachelor's Degree in Mathematics, 110/110.

2019 – 2022

Work experience

Sms Group

Development and Research

2023 – 2024

Applying machine learning methods and data analysis to devise strategies for controlling electric furnaces

Computer and programming skills

Advanced: C, \LaTeX , Jupyter Notebook .

Intermediate: C++, , SHELL UNIX, PYTHON, POSTGRESQL.

Basic: GIT, PYRO, OPENMP, MPI, HTML, MATLAB.

Languages

Italian: Mothertongue.

English: Proficient user (C1).

IELTS

Courses for the School of Advanced Studies

- Distributed Systems 28h (2023).
Reference: *Distributed Algorithms: An Intuitive Approach*, Wan Fokkink.
- Computer Vision 28h (2023).
Keywords: deep neural network, gradient descend, backward and forward propagation, adversarial network.
- Applied Ethics 14h (2023).
- Advanced Mathematical Methods for Engineering 28h (2022).
Keywords: differential manifolds, Lie groups, synchronization problem on graph.
- Fundamentals for data visualization 28h (2022).
Keywords: Mackinlay principles, Weber law, Gestalt law, Tufte graphical design, complex data visualizations.
- Memory, past and delay: mathematics and more 14h (2022).
Keywords: retarded differential equations, dynamical systems, medicine application.
- Quantum Information 28h (2021).
Reference: *Quantum Computation and Quantum Information*, A. Nielsen, L. Chuang.
- Category Theory 28h (2021).
Keywords: functors, natural transformations, Yoneda Lemma, commutative diagrams.
- Blockchain and applications 14h (2021).
- Topology and Order 28h (2020).
Reference: *Topology and order*, L. Nachbin.
- Numbers and Geometry 28h (2020).

Thesis for the School of Advanced Studies

- Distributed Interval Synchronization On Directed Graphs (2022).
Keywords: interval arithmetic, synchronization problem with intervals, implementation and analysis.
- Entanglement Measure (2021).
Keywords: quantum mechanics axioms, quantum information theory, Bell's Theorem, quantum teleportation.
- Quaternion Numbers (2020).
Keywords: Hamiltonian product, space geometry, rotations, visualizing 4^{th} dimension.

Interests.....

- | | |
|-------------------|------------------------|
| ○ Youtube videos | ○ Board and card games |
| ○ Mountain hiking | ○ Reading |
| ○ Sports | ○ Movies |

Associations:.....

- Sisifo.
Active participation in the student-born association Sisifo: (mainly) organizes cultural activities for citizens.

Reading suggestions:.....

- *Antifragile*, Nassim Nicholas Taleb, Penguin Books, 2012.

- *80000 Hours: Find Fulfilling Career That Does Good*, Benjamin Todd, 2016.

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