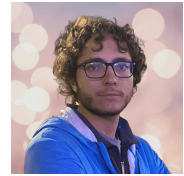# Cristian Curaba

Udine, 33100 – Italy

✉ cristiancuraba00@gmail.com • in Cristian-Curaba • ⚲ Cristian-Curaba

About me

I am a Data Science student with a strong mathematical background, seeking a dynamic environment to further refine my skill set. My goal is to land a challenging role that allows me to make a significant positive impact. Collaboration and kindness are values I hold dear, facilitating me to be an enthusiastic and enjoyable team player. I thrive in group settings, relishing the diverse perspectives and ideas while taking the best from them.

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
Expected graduation date: October 2024
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

Apart Fellowship
AI Research   *2024 – now*
Evaluating LLM-based agent capabilities augmented with symbolic reasoning (Tamarin).

Sms Group
Development and Research (300h)   *2023 – 2024*
Applying machine learning methods and data analysis to devise strategies for controlling electric furnaces.

Computer and programming skills

Advanced: C, LaTeX, C++, python (pytorch)
Intermediate: R, Shell Unix, PostgreSQL.
Basic: Git, Pyro, OpenMP, MPI, Html, Matlab.

Languages

Italian: Mothertongue.
English: Proficient user (C1).   *IELTS*

Last updated August 1, 2024

Experiences

- ○ **ML4Good Franch (2024).**
  Partecipation at the 10day bootcamp program on Machine Learning for AGI Safety.

- ○ **Testing Language Models for Autonomous Capabilities Apart Hackathon.**
  Winner as best Quality Assurance Tester. Evaluated Task: Tamarin Formalizer

- ○ **AI Safety North course (2023).**
  Keywords: AI governance, AI safety, AI ethics, AI policy.

- ○ **Fundamentals of Artificial General Intelligence (about 40 hours).**
  Keywords: AGI safety, instrumental goals, RLFH, Goodheart's Law, Amplification…

- ○ **International Collegiate Programming Contest (SWERC 2023/2024).**
  Partecipation in the international programming competition (C++) in the team of The School for Advanced Studies "Di Toppo Wassermann". Classified 55/103.

Thesis for the School of Advanced Studies

- ○ **Well structured transition systems (2023).**
  Keywords: quasi-orders, transition systems, set-saturation method, tree-saturation method, Petri-nets

- ○ **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 4th dimension.

Interests

- ○ Didattic videos
- ○ Sports
- ○ Board and card games
- ○ Reading

Associations:

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

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