

ALESSANDRO CLERICI LORENZINI

Software Engineer & Master's degree in Computer Science

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ABOUT ME

Master's graduate in Computer Science at the University of Milan, with Erasmus stay at the University of Copenhagen and thesis at Loughborough University, I love learning by expanding my knowledge base and deepening what I already know. As a computer science enthusiast, I enjoy exploring both the theoretical aspects of my studies and the hardware and software tools I use daily. I primarily work on GNU/Linux systems, among which the main ones run Arch.

EDUCATION

M.Sc. in Computer Science

University of Milan

 Oct 2022 – Dec 2024

 Milan; Copenhagen; Loughborough

Grade: *110 e lode* (summa cum laude)

With semester-long Erasmus stay at University of Copenhagen and thesis at Loughborough University.

Thesis: *Computational Models and Complexity Questions*, supervisors Giovanni Pighizzini (University of Milan) and Luca Prigioniero (Loughborough University)

B.Sc. in Computer Science

University of Milan

 Oct 2019 – Oct 2022

 Milan, Italy

Grade: *110 e lode* (summa cum laude)

Thesis: *Automi 1-limited* (1-limited automata), supervisors Giovanni Pighizzini and Luca Prigioniero

EXPERIENCE

Software Engineer

Bending Spoons

 Oct 2025 – ongoing

 Milan, Italy

Bending Spoons is an Italian information technology company and conglomerate based in Milan. The People Systems team is focused on the development of solutions for the internal automation and management of employees of the company and their needs.

AI & Multi-Agent Systems Engineer

Technology Reply

 May 2025 – Oct 2025

 Milan, Italy

Reply is an Italian information technology consulting and digital services holding company. Within Technology, the Autonomous AI Business Unit is focused on the development of solutions for automation based on multi-agent AI systems.

Programming tutor

LANGUAGES

English



Italian



French



Danish



LICENSES



Driving License B

Cars and smaller vehicles

SOFT SKILLS

Team working

Adaptability & learning

Critical thinking & attention to detail

Problem solving

Reliability

HOBBIES

Seminars & Conferences

Linux

Latin dance

Jazz & Piano

FOSS

SCHOLARSHIPS

Tuition Fee Reduction for Academic Merit

University of Milan

 2020-2024

 Milan, Italy

Awarded annually for meritorious academic performance during degree studies

Erasmus Scholarship

University of Milan

 2023

 Copenhagen, Denmark

University of Milan

📅 2020 – 2023 (Seasonal)

📍 Milan, Italy

The **programming tutorship** offers students from Computer Science Bachelor's degree programs who have not passed the programming exam a recovery and exercise path. The tutor's task is to assist and accompany participating students in their independent learning journey, applying didactics concepts then studied by the **ALaDDIn research lab** at the University of Milan.

Organizer for the Italian Bebras competition

University of Milan

📅 2020 – 2022 (Seasonal)

📍 Milan, Italy

Bebras is a school-level computer science competition aimed at promoting the awareness of Informatics. The questions are proposed at an international level, and in Italy the competition is organized by the **ALaDDIn research lab** at the University of Milan.

The lab tutors translate the questions and adapt them to students of different categories and ages. During the competitions, the help desk officials identify irregularities by interacting with the database.

PUBLICATIONS

Two-Way Automata and Bounded Languages

Conference on Implementation and Application of Automata

📅 CIAA 2025

📍 Palermo, Italy

WORKSHOPS AND SCHOOLS

Automata in the Wild 2025

Warwick University

📅 April 2025

📍 Warwick, UK

Workshop on recent developments in automata theory and related fields.

Logic Mentoring Workshop @ CSL 2025

VU Amsterdam & UvA

📅 February 2025

📍 Amsterdam, The Netherlands

Workshop aimed at introducing young researchers to the technical and practical aspects of a career in scientific research.

Challenges in building Billion Users Cloud Applications

Bertinoro international Center for informatics

📅 October 2024

📍 Venice, Italy

Structured intensive course on advanced distributed systems for a billion+ users, with lecturers from Google US.

DIMACS Tutorial on Fine-grained Complexity

Rutgers University

Thesis Abroad Scholarship

University of Milan

📅 2024

📍 Loughborough, UK

Support Funding for the DIMACS Tutorial on Fine-grained Complexity

Rutgers University

📅 2024

📍 New Brunswick, USA

BUCA'24 fall school scholarship

Venice International University

📅 2024

📍 Venice, Italy

Support Funding for the Logic Mentoring Workshop @ CSL 2025

VU Amsterdam & UvA

📅 2025

📍 Amsterdam, Netherlands

VOLUNTEERING

Erasmus Student Network Volunteer & Coordinator

Erasmus Student Network

📅 2025 –

📍 Milan, Italy

Erasmus Student Network (ESN) is a non-profit international student organisation. Our mission is to represent international students, thus providing opportunities for cultural understanding and self-development under the principle of *Students Helping Students*.

- Within the Milano Statale Section, I currently cover the roles of Coordinator of the Culture Working Group, ICT Coordinator, and Representative for the AskErasmus Cause.
- Within the Italian National Organization, I am a member of the Culture coordinators and of the IT Committee.

Staff of Audio Mostly Conference

University of Milan

📅 2024

📍 Milan, Italy

Audio Mostly is a major international conference in the field of Sound and Music Computing. In 2024, the conference was held at the Department of Computer Science at the University of Milan. Volunteers were responsible for the organization of logistics, the reception of the attendees, the technical support during paper and poster sessions, and the social media coverage of the event.

📅 July 2024

📍 New Brunswick, USA

Intensive academic program on fine-grained complexity, a field of theoretical computer science that studies the complexity of problems in P under hardness hypotheses.

Blood donor

Avis Milano

📅 2018–ongoing

📍 Milan, Italy

ATTENDED CONFERENCES

Selected seminar series

- [One FLAT World seminar](#)
 - [Automata in the Wild 2025](#) at Warwick University
 - departmental seminars at the University of Milan, such as [MUSEMI](#)
 - departmental seminars at the University of Copenhagen
 - departmental seminars at Loughborough University, such as the [Loughborough TCS Seminar](#)
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Conferences

- [No Hat](#) cybersecurity conference
- [Audio Mostly](#)

PROJECTS

Also see [website](#).

SimpoLab

📅 2020 – Ongoing

[SimpoLab](#) is a group of university students with the goal of both creating useful projects and implementing meaningful ideas. On our server we host services like

- a Git server based on Gitea
- a mail server based on Postfix and Dovecot
- web servers based on Nginx
- a DNS server based on BIND
- databases

and much more.

University projects

📅 2019 – Ongoing

Development of various projects, most of which stored in a [GitHub organization](#), related to university courses. For example

- [recomyelp](#), a simple recommendation system for the Yelp dataset running on Google Colab
- [debian-mips](#), a project about emulating Debian on the MIPS architecture in collaboration with professor Nicola Basilico (University of Milan)
- [algocomp](#), notes on Algorithms and Complexity (ITA)