ALESSANDRO CLERICI LORENZINI

Master's degree in Computer Science

🌐 aclerici.me @ research@aclerici.me sgorblex aleclericil
📍 Milan, Italy sgorblex

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

Volunteer for 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.

Programming tutor

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

LANGUAGES

English ● ● ● ● ●

Italian ● ● ● ● ●

French ● ● ○ ○ ○

Danish ● ○ ○ ○ ○

TECH

Software

Git (Neo)Vim Zotero Docker PostgreSQL GIMP Office suites

Operating systems

GNU/Linux Windows MacOS

Markup languages

LaTeX Markdown HTML

Programming languages

Go Java sh/Bash C Python MIPS asm SQL PHP

LICENSES

🚗 **Driving License B**
Cars and smaller vehicles

SOFT SKILLS

Team working Adaptability & learning Critical thinking & attention to detail Problem solving Reliability

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.

WORKSHOPS AND SCHOOLS

DIMACS Tutorial on Fine-grained Complexity

Rutgers University

📅 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.

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.

ATTENDED CONFERENCES

Selected seminars

- One FLAT World seminar
- 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

Conferences

- No Hat cybersecurity conference
- Audio Mostly

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

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

📅 2025   📍 Amsterdam, Netherlands

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.

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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)