Luca Chiodini

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 github.com/lucach

Education

2020– **PhD Student (research area: Computer Science Education)**, *Università della Svizzera Italiana*, Lugano (Switzerland).
LuCE research lab, under the supervision of professor Matthias Hauswirth.
March - September 2023: research period abroad at *Aalto University* (Finland), under the supervision of Juha Sorva.

2018–2020 **Double Master's degree in Computer Science**, *University of Milano-Bicocca and Università della Svizzera Italiana*, Lugano (Switzerland).
Graduated with 110/110 *cum laude*, with a thesis on a qualitative study on mastery checks while learning to program (Computer Science Education).

2015–2018 **Bachelor's degree in Computer Science**, *University of Milano-Bicocca*, Milan (Italy).
Graduated with 110/110 *cum laude*, with a thesis on working towards an automatic approach to identify potential binge drinkers on Twitter (Machine Learning & NLP).

2010–2015 **Technical high school**, *ITIS Paleocapa*, Bergamo (Italy).
Final mark: 100/100, with a thesis on an automated spelling correction system.

Academic Experience

2020– **Teaching Assistant**, *Università della Svizzera Italiana*, Lugano (Switzerland).
- Algorithms and Data Structures 1 (5 ECTS), Fall 2020
- Programming Fundamentals 2 (9 ECTS), Spring 2021, Spring 2022
- Programming Languages Concepts (5 ECTS), Spring 2021
- Didactics of Informatics 1 + 2 (5 + 5 ECTS), Fall 2021 + Spring 2022
- Programming Fundamentals 1 (9 ECTS), Fall 2021
- Software Engineering (5 ECTS), Fall 2022
- Programming Styles (3 ECTS), Fall 2023

2022–2023 **Instructor**, *Scuola Universitaria Professionale della Svizzera Italiana*, Locarno (Switzerland).
- Seminario di Didattica Disciplinare (Didactics of Informatics, 18 ECTS, co-taught)

Experience

2014–2022 **Olympiad in Informatics**, Italy.
- Tasks preparation for the IIOT (International Informatics Olympiad in Teams), editions 2017-18, 2018-19, 2019-20, 2020-21, and 2021-22.
- Extensive work to train high school students for regional and national finals, with a focus on algorithms and data structures to solve efficiently a given problem.
- Main organizer of ABC (2014-2019), a yearly Olympiad-style online contest.

2018 **CyberChallenge**, *Polytechnic University of Milan*, Milan (Italy).
Participant in the first Italian training program in cybersecurity for students. I placed second in the local final Capture The Flag competition and participated within a team in the national final, an Attack-Defense CTF held in Rome, where we ranked second.

Languages

Italian   Native
English   Proficient