Federico Cristiano Bruzzone

Curriculum Vitae

Personal Information

Born in Magenta (MI), Italy on 7th of **March 2000**
Resident of Via F. Turati 75/F, Arluno (MI), 20004
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Contact Information

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Education

Academic Titles

2022-2024 **(15-18/07/2024)**	**MSc in Computer Science** At **Università degli Studi di Milano** defending the thesis: "*Toward a modular approach for type systems and LSP generation*". Supervisor: **Walter Cazzola**, Università degli Studi di Milano Co-supervisor: **Luca Favalli**, Università degli Studi di Milano
2019-2022 **(13/10/2022)**	**BSc in Musical Computer Science** At **Università degli Studi di Milano** defending the thesis: "*Intellectual Property and Digital Rights Management on blockchain for the IEEE 1599 standard*". Supervisor: **Andrea Visconti**, Università degli Studi di Milano Co-supervisor: **Luca Andrea Ludovico**, Università degli Studi di Milano
2011-2019	**Conservatory of Music** From l'**I.S.S.M. Novara Conservatory "Guido Cantelli"** department of **Pianoforte and Music Composition**.
2014-2019	**High School Diploma in Computer Science and Telecommunications** From l'**I.T.I.S. - Liceo Scientifico Scienze Applicate "E. Alessandrini"**

Research Activities

2022-Present	**Scientific Research at ADAPT Lab** 🧩 Since 2022, at the **ADAPT Lab** 🧩 of the Università degli Studi di Milano, I have been working on the development of a modular approach for type systems and LSP generation for the research project **Neverlang** (originally conceived by **Walter Cazzola**). During this period, I studied the compiler construction, programming languages design and software and language product lines.

2021-2022	**Scientific Research at LIM Lab**
	From 2021 to 2022, at the **LIM Lab** of the Università degli Studi di Milano, I worked on the development of solutions for the integration of blockchain technology in the music industry, focusing on intellectual property and digital rights management for the **IEEE 1599** standard.

Scientific Publications

This paper is work in progress and will be submitted to the journal soon.

[1] F. C. Bruzzone, W. Cazzola, and L. Favalli, "Code Less to Code More: Streamlining LSP Development for Language Families," *Journal of Systems and Software*, 2024.

Jurnal Ranked Q1 on Scimago - https://www.scimagojr.com/journalsearch.php?q=19309&tip=sid

Teaching Activities for Graduate Courses

2024-2025	**Mathematical Logic**
	I assisted the Professor **Stefano Aguzzoli** in the course "Mathematical Logic" for the Bachelor's Degree in Computer Science, Università degli Studi di Milano.
2023-2024	**General Computer Science**
	I assisted the Professor **Alberto Davide Adolfo Momigliano** in the course "General Computer Science" for the Bachelor's Degree in Economics, Università degli Studi di Milano.
2023-2024	**Computer Science 1**
	I assisted the Professor **Andrea Trentini** in the course "Computer Science 1" for the Bachelor's Degree in Computer Science, Università degli Studi di Milano.
2023-2024	**Programming in Python**
	I assisted the Professor **Mattia Monga** in the course "Programming in Python" for the Master's Degree in Chemistry, Università degli Studi di Milano.

Additional teaching activities

2023-Present	**Private Tutoring**
	Since 2023, I have been tutoring university students in Computer Science and high school students in Mathematics, Physics, and Computer Science.
Jan-Jul 2024	**Computer Science Laboratories**
	In collaboration with ALaDDIn Lab and the Professor **Violetta Lonati** of the Università degli Studi di Milano, I have been responsible for the organization and management of the Computer Science Laboratories for the Bachelor's Degree in Computer Science.
Jan-Jul 2024	**Workshops for schools**
	In collaboration with ALaDDIn Lab and the Professors **Violetta Lonati** and **Anna Morpurgo** of the Università degli Studi di Milano, I helped organize and manage workshops for high school students on the topics of Computer Science.

Nov 2023	**Bebras Challenge**
	In collaboration with ALaDDIn Lab of the Università degli Studi di Milano, I helped manage the Bebras Challenge, an international informatics competition for students.

EXPERIENCE

2021-Present	**Sound Engineer and Producer**
	Since 2021, I have been working as a sound engineer and producer, collaborating with various artists in the recording, mixing, and mastering of their music, realizing 100k+ streams on Spotify for some of them.
	I am a SIAE member and Believe distributed my music in all the main digital stores.

GRANTS AND FELLOWSHIPS

2023-2024	**Scholarship for the Master's Degree in Computer Science**
	I was awarded a scholarship for the Master's Degree in Computer Science at the Università degli Studi di Milano.
2020-2021	**Exemption from university fees**
	I was awarded an exemption from university fees for the Bachelor's Degree in Musical Computer Science at the Università degli Studi di Milano.

TONGUES

Italian: Mother tongue

English: Level CEFR B2 (SLAM at Università degli Studi di Milano)

Spanish: Base (A1-A2)

OTHER ACTIVITIES

ARTISTIC ACTIVITIES

2006-Present	**Pianist and Music Composer**
	Since 2006, I have been studying piano and music composition.
	I have composed music for various ensembles and soloists, and I have performed in various concerts and recitals.
	I have also participated in various national and international competitions, winning several awards.
2019-Present	**Piano and Music Teacher**
	Since 2019, I have been teaching piano and music theory and composition to students of all ages and levels.
	I have also prepared students for various music exams and competitions.

SPORT ACTIVITIES

2012-2019 **Football**
I practiced agonistic football for 7 years, playing in various regional championships.
I played for most of the time for the Bustese Calcio team.

2004-2012 **Swimming**
I practiced swimming for 8 years, participating in various regional competitions.

Milan, 18/06/2024