

Filippo Barbieri

Aspiring computer scientist

Driven by an innate curiosity, I am deeply passionate about computer science and constantly seek to expand my knowledge. This curiosity fuels my ongoing journey of exploration and learning, always pushing me to discover more.

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EDUCATION

Bachelor's degree in Computer Science

University of Verona

10/2021 - 10/2024

Final grade: 110/110 cum laude

- Thesis work done by integrating WebAssembly evaluators on the Turing Arena Light project (available on [GitHub](#))
- **Erasmus semester** from February to July 2023 at the University of Las Palmas de Gran Canaria (Faculty of Data Science and Engineering)

High School diploma in Computer Science

IIS G. Silva - M. Ricci

09/2016 - 06/2021

Final grade: 100/100 cum laude

WORK EXPERIENCE

Teacher

IIS G. Silva - M. Ricci

10/2024 - Present

Technical High School

- Teaching the basics of information technology in four first-year classes.
- Created an engaging learning environment by motivating students through interactive teaching methods while effectively managing lessons and activities to meet tight schedules and study plans.

Web developer

Freelance

10/2022 - Present

- Independently designed and developed websites, delivering tailored solutions to meet clients' specific needs.
- Managed all aspects of web development projects, from initial client consultations to deployment, demonstrating strong organizational and problem-solving skills.

Private teacher

Freelance

11/2021 - Present

- Helping other students with homework and study, mainly in math, computer science and physics.
- I learned how to convey concepts effectively to students of different ages and skill levels.

Frontend web developer

NetStrategy

06/2019 - 09/2019

Digital marketing company established in the Italian market

- Website building and restyling using HTML/CSS and JavaScript (jQuery) along with Wordpress or HubSpot.
- I was hired until the beginning of the next school year after an initial period of school-to-work alternation as optimal for the position.

SKILLS

Algorithms and data structures

C

C++

Rust

WebAssembly

Assembly

Java

Spring framework

JavaScript

Python

SQL and RDBMSs

NoSQL DBMSs

Git

SIDE EXPERIENCES

ICPC SWERC 2021 and 2023 (04/2022 - 01/2024)

- I participated in two editions of the programming competition as a member of my university's teams.
- I helped reestablish a competitive programming course in the university together with two colleagues and a PhD student.

CyberChallenge (02/2021 - 06/2021)

- Training course organized by University of Verona to provide the methodological and practical bases necessary to analyze vulnerabilities and possible attacks in the various areas of cybersecurity.

Italian Olympics in Informatics (11/2019 - 10/2020)

- I won the school selection and participated in a basic competitive programming course organized by AICA, where I learned the basics of C++ and problem solving.

VOLUNTEER EXPERIENCE

Consulta Giovani Cerea (05/2022 - Present)

Events staff and, since 2025, president

AVIS (11/2021 - Present)

Blood donor

Parrocchia di Cerea (07/2018)

Week-long camp staff

LANGUAGES

Italian

Native or Bilingual Proficiency

English

Full Professional Proficiency

Spanish

Full Professional Proficiency

INTERESTS

Gym

Drums

Aviation