

Marco Belli

✉ mbelli@student.ethz.ch

🌐 bellimarco.github.io

Birth details 2001, Lugano
Citizenship Swiss, Italian
Languages Italian, Russian (native), English (C1), German, French (fluent)

Education

2024-present **MSc, Mathematics**, ETH Zürich.
Fall 2024 Exchange semester: University of Texas at Austin.
2021-2025 **BSc, Mathematics**, ETH Zürich.

Research Interests

Complex and Algebraic Geometry, Moduli Spaces, in particular the moduli space of curves.
Number Theory and applications to Cryptography.

Works

In progress Master's thesis: On the moduli space of Abelian varieties (*in progress*).
Spring 2025 The isomorphism to Čech cohomology as evaluation on the Čech nerve ([arxiv/2510.21486](https://arxiv.org/abs/2510.21486)).
Spring 2025 Getzler-Kapranov graph complex cohomology computations in weight 13 ([arxiv/2507.08995](https://arxiv.org/abs/2507.08995)).
Fall 2024 Riemann Surfaces as an elementary theory for the solvability of analytic equations ([drive](#)).
Spring 2024 Bachelor's thesis: On the construction of Hilbert and Quot schemes ([drive](#)).

Academic Experience

Spring 2025 Exam correction, Topology and Basic Structures, ETH Zürich.
Spring 2025 Teaching assistant, Algebra II, ETH Zürich.
2024-2025 Private tutoring, various subjects, EduQuant platform.
Fall 2024 Exam correction, Complex Analysis, ETH Zürich.
Spring 2024 Teaching assistant, Analysis II, ETH Zürich.
Spring 2023 Teaching assistant, Mathematics II, ETH Zürich.

References

Samir Canning, Hermann-Weyl-Instructor, ETH Zürich, samir.canning@math.ethz.ch
Alessandro Giacchetto, Hermann-Weyl-Instructor, ETH Zürich, alessandro.giacchetto@math.ethz.ch
Thomas Willwacher, Professor, ETH Zürich, thomas.willwacher@math.ethz.ch
Bernd Siebert, Professor, University of Texas at Austin, siebert@math.utexas.edu

Conferences

- Sep 11-19 2025 Nairobi Workshop in Algebraic Geometry, University of Nairobi, Kenya.
Jun 9-13 2025 Harmonies in Moduli Spaces, Università Roma Tre, Italy.

Internships

- Sep-Nov 2025 Dedan-Kimathi University of Technology, Department of Robotics and Mechatronics, Kenya.

Hard Skills

Programming: C++, Python, SQL, Processing, Javascript, basic client and server side.

Software: Mathematica, Maple, Lean, SageMath, Matlab/Simulink, Siemens TIA, Fusion360.

Robotics and mechatronics: kinematics and dynamics, ROS, Raspberry Pi ecosystems, integrating microcontrollers with sensors and actuators, control systems, basic electrical engineering.

Other Interests

Building robots and DIY projects (github portfolio: [bellimarco](#)).

History of Science, Physics, Logics, Computer Formalization.

Literature, Languages, Traveling, Hiking.