Jacopo Philip Moretti

IN BA6 student at EPFL, with interests in theoretical computer science, compilers and programming languages.
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`github`

Academic

BACHELOR'S DEGREE IN COMPUTER SCIENCE   2021-present

Currently completing my bachelor's degree in Computer Science at EPFL, with a projected end in July 2024. Relevant courses for this position are:

▷ *Algorithms* (CS250): Introduction to data structures, runtime analysis, and algorithm design. *Completed (5/6)*

▷ *Functional Programming* (CS207): Introduction to functional programming concepts, recursion analysis, symbolic and theoretical computer science. *Completed (5.75/6)*

▷ *Logique Mathématique* (MATH381): Basic model and proof theory, set axioms, syntax and semantics in first order logic. *Passed.*

▷ *Computer Language Processing* (CS320): Understanding the compiler pipeline, implementing its main steps. *In progress.*

FRENCH BACCALAURÉAT   June 2021

Mention Très Bien avec Félicitations du Jury from the Lycée Chateaubriand de Rome (18.06/20). Obtained in conjunction with the Italian Esame di Stato (100/100).

Professional

STUDENT ASSISTANT :: SOFTWARE CONSTRUCTION   Winter Semester, 23/24

Student assistant under Prof. Pit-Claudel, Prof. Odersky and Prof. Kunčak. Gained experience in assisting students, answering student questions on the forum and explaining concepts on blackboard. Implemented workflow for course recording and video editing.

STUDENT ASSISTANT :: STUDENTS 4 STUDENTS   2022, 2023

Student assistant for the association *Students 4 Students*: helped with the conception of classes and problem sets in Calculus, Linear Algebra and Discrete Mathematics, and tutored in exercise sessions.

TECHNICAL MANAGER :: FRÉQUENCE BANANE   May 2022 - May 2024

Committee member tasked with maintaining the technical (audiovisual and computer) infrastructure of an 80+ member student radio. Gained knowledge in writing code for large scale and long term use, managing a technical team, and audio engineering.

PRIVATE TUTORING   2021-2023

Private tutoring in Mathematics, Physics, Computer Science and French Language and Literature to teens of high school age and up.

Skills

Programming	Object oriented and functional programming, as well as basics of web frameworks. Languages *(in order of proficiency and preferred usage)*: Scala, Rust, Python, C, Java.
Teaching	LaTeX/Typst typesetting, course conception (theory, exercices), tutoring.
Languages	Italian: Native French: Fluent English: Fluent