Jacopo Philip Moretti

IN BA5 student at EPFL, with interests in theoretical computer science, compilers and programming languages.
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`github`

Education

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)*

▷ *Theory of Computation* (CS251): Complex runtime analysis, Turing machines, computational classes, reductions. *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. *In Progress.*

FRENCH BACCALAUREAT   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 Clément Pit-Claudel, Martin Odersky and Viktor Kunčak. Gained experience in assisting students, answering student questions on the forum and explaining concepts on blackboard. [a revoir]

STUDENT ASSISTANT :: STUDENTS 4 STUDENTS

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.

PRIVATE TUTORING   2021-2023

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

TECHNICAL MANAGER :: FRÉQUENCE BANANE   May 2022 - present

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.

Skills

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