

Jacopo Philip Moretti

CS MSc student at EPFL, with interests in theorem provers, formal verification, and languages, both natural and programming.

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Academic

MSc in Computer Science :: EPFL

2024 - PRESENT

Master's Degree in Computer Science at EPFL, *Foundations of Software* specialization.

Projects: Verified WebAssembly Decompilation, Lean formalization of theoretical CompSci result.

Fields of interest: Theorem Proving, Software/Hardware Verification, Programming Languages.

Relevant courses: *Interactive Theorem Proving, Foundations of Software, Algorithms II, Formal Verification.*

BSc in Computer Science :: EPFL

2021 - 2024

Bachelor's degree in Computer Science from EPFL.

Fields of interest: Functional Programming, Programming Languages.

Relevant courses: *Functional Programming, Computer Language Processing, Mathematical Logic.*

Experience

Chief Product Officer :: Actualia

2024 - PRESENT

CPO at *actualia*, a startup building an AI-powered pipeline to deliver relevant and verifiable press reviews. Managed design team and led frontend development, raised 12k CHF in grants.

Teaching Assistant :: EPFL

2023 - PRESENT

Teaching assistant for various courses at EPFL. Assisted students on forums and in-person.

- ▷ *Formal Verification (Kuncak, F25)*: assist exercise set and lab design, VSCode extension for **Stainless**.
- ▷ *Computer Language Processing (Kuncak, S25)*: assisted with exercise set design and grading.
- ▷ *Software Construction (Kuncak, Odersky, Pit-Claudel, F23)*: (Fall 2023) implemented workflow for recording and editing 20+ video lectures per day.

Technical Manager :: Fréquence Banane

2022 - 2024

Committee member tasked with maintaining the technical (audiovisual and server) 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

Languages Italian (native), French (native), English (fluent), German (basic).

Programming Rocq/Coq, Scala, Lean, Typescript, Rust, Dart, Python, React, Vue, Java, C.

Tools Git, Docker, Proxmox, Typst, LaTeX, Markdown

Design Adobe Suite, Figma, Penpot.

Other Audio Engineering, Video Editing, Stagecraft.