

MATTIA FAIT

✉ mattia.fait.science@gmail.com | 🌐 4137314 | 🌐 Portfolio | 📍 Trento, Italy

EDUCATION

BSc in Electronic Engineering

University of Trento

Trento, Italy

Present

- Thesis: TODO
- Focus: Photonics, Digital Logic Design, and Signal Processing.

CORE PROJECTS

doc 🌐

Documentation engine for Lean 4

Research & Dev

2026 – Present

- Developed a formal documentation system synthesizing scientific papers through metaprogramming.
- **Stack:** Lean 4, Metaprogramming, \LaTeX .
- **Source:** github.com/4137314/doc

arch 🌐

Custom Arch Linux ISO

System Architecture

2026 – Present

- Built a specialized environment tailored for formal verification and high-security research.
- **Stack:** Bash, Archiso, System Configuration, Dotfiles.
- **Source:** github.com/4137314/arch

TECHNICAL SKILLS

Formal Verification	✓ Lean 4, Formal Logic, Metaprogramming
Languages	🔗 C, C++, Rust, Python, Bash, \LaTeX
Systems	➤ Arch Linux (custom ISO), NixOS, Docker
DevOps/Tools	✂ Git, CI/CD, Neovim (custom config), Makefile
Electronics	🔌 Embedded Systems, PCB Design (KiCad), Photonics

LANGUAGES

Italian	Native
English	Professional Working Proficiency (C1)