PAOLO BETTELINI

github.com/paolobettelini @ paolo.bettelini@bluewin.ch

EDUCATION

(1) Scuola Primaria di Caslano
Elementary School
📅 2010 – 2015
📍 Caslano, Ticino

(2) Scuola Media Agno
Middle School
📅 2015 – 2019
📍 Agno, Ticino

(3) Scuola d'Arti e Mestieri (SAMT)
Computer Science Section
📅 2019 – 2023
📍 Trevano, Ticino
- Attestato federale di capacità (AFC)
- Maturità professionale

SOME PROJECTS

Lindenmayer's Garden
📅 2023
An implementation of L-systems using a deterministic context-free grammar, along with advanced drawing semantics, stochastic behavior and an animation system.
○ paolobettelini/lindenmayer-systems-rs

Blockchain Proof-of-Concept
📅 2022
A blockchain from scratch, with a cryptographically secure distributed ledger, PoW mining, transaction system and a web explorer.
○ paolobettelini/blockchain

Fourier Series Website
📅 2021
A website about Fourier series and Fourier transforms, with interactive animations and explanations.
○ paolobettelini/fourier-series

Paintguessr
📅 2021
An online multiplayer game where players have to guess other players' drawings.
○ paolobettelini/paintguessr

AES Implementation
📅 2021
A pure Java implementation of the AES encryption algorithm. Supports 128, 192, 256 bits keys, ECB and CBC cipher modes and ANSI X9.23, ISO 10126, PKCS#7, ISO/IEC 7816-4 paddings.
○ paolobettelini/advanced-encryption-standard

PERSONAL INFO

Full name: Paolo Bettelini
Date of birth: February 18th, 2004
Nationality: Swiss

TECHNOLOGIES/SKILLS

Java | Rust | C# | Git | Algorithms | .NET
LaTeX | Linux | Networking | PHP | HTML | JS
CSS | Virtualization | RabbitMQ | SQL | Bash

WORK EXPERIENCE

Pico Systems Sagl
Internship
📅 June 2022, 2 Months
📍 Lugano
- Software development

LANGUAGES

- Italian (Mother tongue)
- English (B1)
- German (B1)

INTERESTS

Mathematics, Rust programming, Rendering, Artificial intelligence, Quantum mechanics, Problem solving, Algorithms.