

# EUPLIO LISI

Italy (Available for relocation – EU / CH / SG / UK)

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Computer Engineer specialized in **IoT and Cyber Security** (M.Sc. Computer Science). Experienced in building **distributed, low-latency, and AI-driven systems** integrating real-time data pipelines, reinforcement learning, and secure Cloud architectures. Strong background across **Python, Java, C++, and embedded systems**, with a focus on performance, scalability, and reliability.

## EDUCATION

OCTOBER 2025

**M.SC. COMPUTER SCIENCE UNIVERSITY OF MODENA AND REGGIO EMILIA**

- Thesis: Design and Training of a Transformer-based Actor–Critic Agent for Cryptocurrency Trading.

APRIL 2023

**B.SC. COMPUTER ENGINEERING UNIVERSITY OF MODENA AND REGGIO EMILIA**

- Thesis: Building a Self-Driving RC-Car.

## EXPERIENCE

### CryptoMCP — Distributed Trading Agent (Thesis Project)

*Java 21, Spring Boot, gRPC, Python, PyTorch, SQLite, Firestore, WebSocket Dashboard*

- Designed a **Transformer-based Actor–Critic agent** for real-time cryptocurrency trading and risk-aware policy evaluation.
- Developed a live **dashboard** (REST + WebSocket) for Actor/Critic activity and strategy tracking.

### SmartFarm — IoT Platform for Precision Agriculture

*ESP32, Raspberry Pi, MQTT, Android, Firebase, RTK GNSS, Kotlin*

- Built an end-to-end **IoT system** connecting RTK GNSS modules, sensors, and Android app for autonomous tractor guidance.

### Freelance Developer (2019 – 2023)

- Delivered custom web and e-commerce solutions (PHP/Symfony, WordPress, React).
- Developed NFT collections and ERC-20/721 Smart Contracts on Ethereum/Polygon.

## TECHNICAL SKILLS

**Languages:** Python (asyncio, FastAPI, PyTorch), Java (Spring Boot 3), C/C++ (Linux perf, multithreading), Solidity, Kotlin (Android), JavaScript/TypeScript, PHP (Symfony, Laravel), Rust (basic), SQL, HTML

**ML & AI:** Transformers, PyTorch Lightning, Reinforcement Learning, Distributed Training, MLOps, Explainability

**Systems & Networking:** gRPC, Kafka, WebSocket, SQLite, Firestore, MQTT, RTK GNSS, AWS/GCP Cloud

**Security:** TLS/PKI, Network Hardening, Threat Modeling, Suricata, Wireshark, Encryption Algorithms

**Tooling:** Docker, Linux perf, Git, Node.js, OpenSSL