# SAMUEL ORONTI

AUTOMATION & WEB ENGINEER | IOT / IIOT | WEB3 AMBASSADOR

## CONTACT


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## EDUCATION

**2022 - 2024**

**ESPAM FORMATION UNIVERSITY (BENIN REPUBLIC)**

- Bachelor of Arts in International Relations & Diplomacy
- Graduated with a 3.7 CGPA

## SKILLS

**Automation & Control**

- PLC Programming (Siemens, Allen-Bradley, Haiwell, Omron)
- HMI Development (TIA Portal, Haiwell)
- Control Systems & Industrial Automation
- Robotics & Vision Sensing
- Electrical Engineering & Installation
- Industrial IoT (IIoT) & MQTT
- CNG Kit Installation / Vehicle Calibration
- Sensors, Transducers & Analog Signals

**Software & Web**

- Full-Stack Web Development (Next.js, React)
- Back-End Development (Node.js, Python)
- HTML5, CSS3, JavaScript
- Cloud Data Engineering & Dashboards

**Professional**

- Cross-Disciplinary Problem Solving
- Technical Training & Mentorship
- Team Coordination & Leadership
- Technical Documentation Writing
- Public Speaking & Media
- Research & Community Engagement

## LANGUAGES

- English (Fluent)
- French (Basic)

## PROFILE

A multidisciplinary engineer and developer working where hardware meets software, driven by a genuine curiosity for how systems work and a commitment to using technology to solve real problems. I specialise in PLC programming, HMI development, and control systems, and I build full-stack web applications, including MQTTBridge, a real-time IoT monitoring platform I designed and shipped from the ground up.

I lead and mentor others in automation, electrical engineering, and robotics, and my background in International Relations and Diplomacy sharpens how I communicate complex ideas across technical and non-technical audiences alike. Cross-disciplinary by nature, I move fluently between engineering, software, and communication. I hold my work to international standards, and I am always learning and looking for the next place to make a meaningful impact.

## WORK EXPERIENCE

### Automation & Engineering Academy
MAR 2026 - PRESENT

**Training Coordinator**

- Lead and coordinate hands-on technical training in industrial automation, electrical engineering, and robotics.
- Mentor trainees and manage delivery of practical, standards-based engineering education.

### Graduate Trainee (Mechatronics / Electrical)
APR 2025 - MAR 2026

- Programmed PLCs and configured HMIs using TIA Portal and Haiwell; managed system integration.
- Worked with control systems, IIoT connectivity, pneumatic rigs, wind turbine maintenance, and fire alarm systems.
- Installed and calibrated CNG conversion kits in vehicles, ensuring safety and compliance.
- Interpreted technical datasheets (flow controllers, sensors, transducers) to solve real engineering challenges.

### Freelance
JAN 2023 - PRESENT

**Full-Stack Web Developer**

- Build and ship production web applications, from client business sites to MQTTBridge, a real-time IoT dashboard with alerting, shareable views, and a REST/WebSocket API.
- Work across the stack with Next.js, React, Node.js, and Python.

### Shardeum
SEP 2025 - PRESENT

**Ambassador**

- Support growth by creating educational content, hosting discussions, and engaging Web3 communities.
- Simplify technical features for adoption and contribute opinions on systems for project growth.

### Haven1
NOV 2024 - NOV 2025

**Ambassador**

- Created educational content on hPassport, MEV resistance, hEarn, hSwap, and on-chain 2FA.
- Grew engagement across Discord, X, Telegram, and Reddit by adapting content to each community.

### Peters' Attorney
JUN 2023 - SEP 2023

**Intern**

- Supported file management, communication, and research.