



# Looking for an Apprenticeship

## Adelphe SERVAIN

### PROFILE

Passionate about embedded systems, I am looking for a 3-year apprenticeship starting in September to apply my skills in electronics, low-level programming and embedded development. Curious, autonomous and rigorous, I aim to grow in a technically stimulating environment, particularly in the fields of aerospace, automotive, or robotics.

### CONTACT

**E-Mail:** adelphe.servain02@gmail.com

**Phone:** +33 6 86 44 11 38

**Driving License:** Yes, with vehicle

### SKILLS

- **Programming Languages:**  
C, C++, Python, Java
- **Tools:**  
Fusion 360, LTspice, Scilab, Kicad, Linux
- **Automation:**
  - Integration of sensors and actuators (servomotors, solenoids)
  - Development of automated systems
- **TOEIC:** 620/990

### INTERESTS

- **Musical instrument:** Piano, Saxophone
- **Watchmaking**
- **Sports:** Horseback riding, Tennis

### LATEST PROJECTS

#### Embedded Systems Project

Prep School Year 2 – 2024–2025

**Weather station:** Integration of various sensors via Arduino board (GPS, humidity, temperature, etc.)

#### IT Network Project

Prep School Year 2 – 2024–2025

Design of a computer network using Cisco Packet Tracer (CCNA 1)

#### Amplification and Filtering Project

Prep School Year 2 – 2024–2025

Design of an analog audio speaker

#### Electrical Systems and Control Project

Prep School Year 2 – 2024–2025

Precision ball launcher driven by stepper motor and optical sensors, controlled via Arduino

### PROFESSIONAL EXPERIENCE

#### Intern – ENAC

April to May 2025

#### Inertial measurement system for micro-drones.

Autonomous prototype using ESP32 with gyroscope, embedded data processing (C, Python) and web interface

#### Intern – CARBONLESS TECH

June to August 2025

#### Smart accounting automation system

Development of a transaction categorization system using n8n, Mistral API and AI agent

#### Lab Technician – EOIOM Le Lab

June to August 2023

### EDUCATION

#### CESI Graduate School of Engineering – Labège

Preparatory cycle (2023–2025)

Specialization: Electrical and Embedded Systems Engineering