



# RENAUD RABUSSEAU

37 years old · Orléans

## CONTACT

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in [LinkedIn](#)

🔗 [GitHub](#)

## SKILLS

- Embedded C++ (Arduino, RP2040)
- KiCAD (diagrams & PCB)
- Prototyping & soldering
- Python · Bash · Linux
- DMX · MIDI · DSP audio
- Networking & Protocols
- Technical writing EN/FR
- Project management

## LANGUAGES

### Français

Native speaker

### Anglais

Bilingual C2 — conference interpreter

### Espagnol

Fluent C1

## INTERESTS

- 🎸 Amp & effects pedal repair, analog electronics.
- 🏠 Homelab IA, local LLM deployment, agent design.
- 🛡️ Cybersecurity, ethical hacking, network penetration testing.
- 🎵 Multi-instrumentalist (vocals, guitar, drums), live performances.
- 📖 Reading (literature, philosophy, history, sociology, sci-fi).

## EDUCATION

2026 **BTS CIEL** — AFTEC Orléans (starting Sept. 2026)

2026 **Certification (Jr Pentester)** — TryHackMe (in progress)

2009 **Licence LEA AN/JA** — Université d'Orléans

WORK-STUDY APPLICATION — STARTING SEPTEMBER 2026

# BTS Electronics (CIEL)

Cybersecurity · IT & Networks · Electronics

## PROFILE

Career changer with 16 years of expertise in trilingual technical translation and documentation for major industrial clients (Syntegon, Crowcon, Aston Martin, Google Cloud). A lifelong music enthusiast, I was gradually drawn to electronics through repairing my own pedals and amplifiers, then designing an interactive art installation for the Fondation du Doute in Blois. I am now seeking a work-study employer to establish myself in industrial electronics.

## PROJECT — CHAOS PIANO

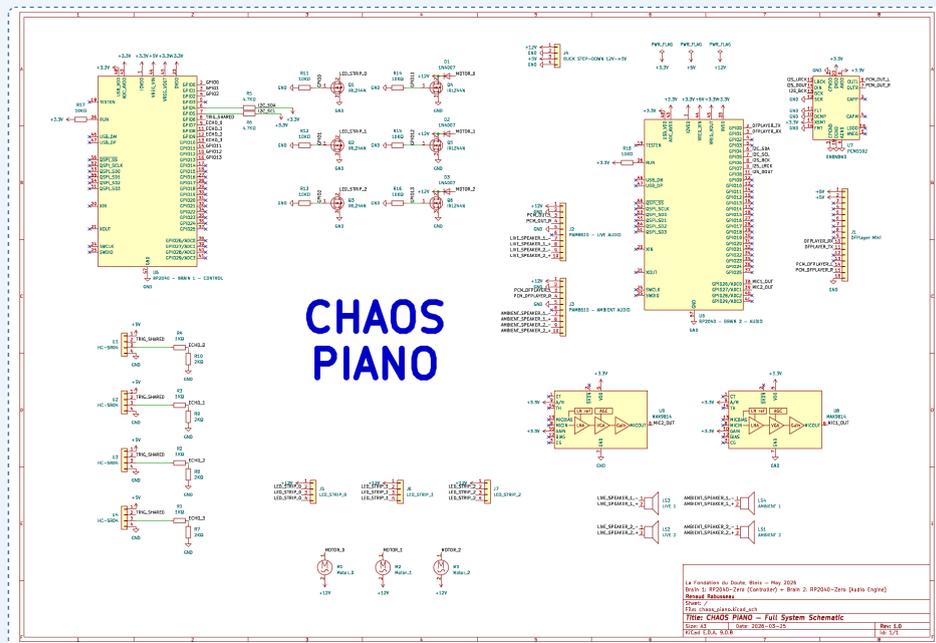
### CHAOS PIANO

COMPLETE PROJECT

Art installation · Fondation du Doute, Blois (May 2026)

- ① Requirements specification & dual-MCU system design (RP2040)
- ② Complete electronic schematic & PCB routing (KiCAD)
- ③ Breadboard prototyping → PCB soldering
- ④ Multi-voltage: 3.3V / 5V / 12V · sensors, LEDs, amps
- ⑤ Embedded DSP: audio effects (glitch, flanger, distortion)
- ⑥ C++: interrupts, I2C, ADC, PWM, safety features

RP2040 C++ KiCAD DSP I2C PCB Multi-voltage HC-SR04 PCM5102



Schematic V1.0 - KiCAD 9

## PROFESSIONAL EXPERIENCE

### TECHNICAL TRANSLATOR & INTERPRETER

2009 – present

Freelance · Syntegon · Crowcon · Aston Martin · Google Cloud · Siemens

- Translation of technical manuals, industrial documentation, and procedures EN/ES/FR
- Writing complex documentation under strict specifications and SLAs
- Simultaneous conference interpreting EN↔FR (Wikimedia Foundation)

### MUSICIAN & SOUND/LIGHT ENGINEER

2020 – present

Various bands · Touring France & Europe

- DMX programming: light show design and programming
- Live sound technician: signal chain, power management, live mixing