

Trainee Engineer – Electrical Engineering

Daniel M'Bouyou

3EA engineering student at ENSEEIHT (N7). Workshop/laboratory: soldering, KiCad, oscilloscope, power supply, digital multimeter.

Software: C/C++ (Arduino), Python/MATLAB, test automation, advanced Excel, and fundamental project management (planning, tracking).

Education

ENSEEIHT (INP-N7) – 3EA (2025–2028)

Microprocessors, signals and systems, analog electronics.
PPG Project: AFE LED/photodiode (amplifier, filter, ADC) plus QAM; DSP (frequency compensation, oximetry)

CPGE – Lycée Déodat de Séverac (2023–2025)

PCSI/PC Preparatory Course Level: Admitted to the Mines-Centrale-CCINP Competitive Entrance Examination

Immaculate Conception High School, Pau (2020–2023)

Baccalaureate with Distinction, European Section

Professional Experience

Private mathematics tutor



Work plan, targeted activities, results monitoring

2022 – 2024

Observation Internship – Energy Sector



Safety protocols, practical experience, collaboration. Energy Generation

12/2019

Technical Initiative



- Dependable C/D cycles, temperature monitoring → KiCad, soldering, Arduino C/C++, Python/MATLAB.
- Secure automatic shut-off

2023 – 2025

Certifications



Google – Fundamentals of Project Management (2025)



Meta – Introduction to Front-End Development (2025)



Skills

Engineering Proficiencies:

C/C++ (Arduino) · VHDL (fundamentals) · KiCad · Soldering
Oscilloscope/Power Supply/DMM, BF generator · I²C/SPI/UART, PWM/timers

Software Proficiencies:

Front-end: HTML5, CSS3, JavaScript UI/UX Design
Data & Scripts: Python, MATLAB
Tools: VS Code, GitLab Pages, GitHub.

Project Management (PM):

Advanced Excel: structured tables, charts, dashboards, and lightweight VBA macros. Agile methodology.

LANGUAGES

Native French, English C2, German B1

+33 7 67 47 00 23



danielmbouyou.pro@gmail.com



My LinkedIn profile, e-portfolio, and certifications are all available here.

