A versatile and results-oriented Engineering student specializing in **Computer Science and Electronics**. Proficient in **cross-functional problem-solving and full lifecycle project development**, with proven experience in **integrating disparate technologies to deliver robust, scalable solutions**. Seeking to apply my skills in **system architecture design and performance optimization** to help company tackle complex challenges and contribute to your innovative projects.

CONTACT

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+33 7 66 44 00 89

www.linkedin.com/in/louis-baffour

https://github.com/SlashFR1

Technical Skills

AI & Machine Learning : TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy

Embedded & Electronics : C, C++, VHDL, STM32, ARM Cortex-M, RISC-V, FPGA, LTspice

Software Developpent: Python, Java, JavaScript, SQL, Bash, Git

Web & Cloud : React, Node.js, HTML/CSS, MySQL, Docker, Microsoft Azure

Networking/cybersecurity : Wireshark (Packet Analysis), TCP/IP Suite (HTTP/S, DNS, TCP/UDP)

Soft skills

- **Ownership & proactivity**
- **Communication**
- **Teamwork & collaboration**
- **Problem-solving**
- **Adaptability and resilience**

Languages

- **French:** Native
- **English:** C1 (Full Professional Proficiency)
- **Spanish:** B1 (Intermediate)

Louis BAFFOUR

MASTER OF SCIENCE IN COMPÛTER SCIENCE

Diplôme d'Ingénieur program - Expected in 2027

Education

ESEO | Diplôme d'Ingénieur (Master's Degree equiv.) | Angers, France
Sept 2022 - July 2027 (Expected)

- Specializing in Electronics, Computer Science, and Telecommunications.

KU Leuven | Exchange Semester, Technological Engineering | Leuven, Belgium
Feb 2024 - July 2024

- Completed a full semester of engineering coursework conducted entirely in English.

Professional Experience

AI & Embedded Systems Intern | SGA - Ministry of Defence | Paris, France
Sept 2025 - Present

- Designing and developing an innovative device for defense applications, integrating embedded Artificial Intelligence on a dedicated hardware card.
- Responsible for the full project lifecycle, from hardware/software architecture design to AI model selection and optimization for embedded constraints.
- Implementing robust connectivity solutions with a focus on data security and confidentiality.

Founder & Operator | CleanGenius (Self-Employed) | Angers, France
Oct 2024 - Present

- Launched and manage a cleaning service company for private and public sector clients.
- Oversee all business operations, including client acquisition, service delivery, and administrative management, demonstrating strong organizational and entrepreneurial skills.

Train Commercial Service Agent (ASCT) | SNCF Voyageurs | Nantes, France
Summer 2023

- Ensured the safety, security, and service quality for thousands of passengers on regional trains (TER), holding a sworn officer status from the Angers Judicial Court.
- Completed a rigorous 1.5-month certification in safety protocols, security procedures, equipment management, and commercial operations.

Leadership & Volunteering

- Member, Student Union (BDE) & Sports Office | ESEO | 2024 - Present
  - Co-organize student life events and support school-wide initiatives.
- Member, Unit Against Harassment & Violence | ESEO | 2024 - Present
  - Provide confidential support to students and contribute to prevention campaigns.

Awards & Certifications

- 1st Prize Winner, Public Speaking Competition | ESEO | Jan 2025
- Certified in Project Management | MOOC Gestion de Projet | Feb 2023
- Aeronautical Initiation Certificate (Brevet d'Initiation Aéronautique) | Jun 2021