



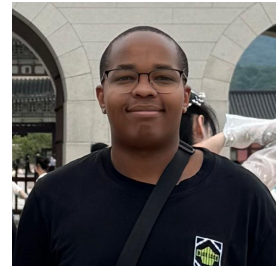


Élisée Nzorubara

Electromechanical Engineering Student — ECAM Brussels

Email: elisee.nzorubara@gmail.com 
LinkedIn: linkedin.com/in/elisee-nzo 
GitHub: github.com/EliseeNzo 
Website: elisee.nzorubara.com 



Profile

Third-year bachelor student at ECAM Brussels, passionate about mechanical design, automation, and robotics. Motivated, curious, and rigorous, looking for a practical internship in Belgium or abroad to apply my technical skills in a stimulating professional environment.



Education

ECAM Brussels 2023 – Present
Bachelor in Industrial Engineering : Electromechanics
Key courses: mechanics, electricity, automation, 3D design (SolidWorks), project management.



Sacré Coeur de Lindthout 2017 – 2023
Scientific / Mathematics orientation.

Academic and Personal Projects

Personal design and electronics mini-projects (2019 – 2024)

- **Galton Board**  : Group project automating a Galton board: automated ball release, path detection, and data collection for statistical analysis and visualization using **Matplotlib**.
- **Connected Thermostat**  : Regulation system developed on a **Raspberry Pi** with a **Python** interface. Data synchronized with a **Google Spreadsheet** and remote control through a mobile application.
- **Bluetooth RC Mini-Car** : 3D-designed and printed chassis, control of four stepper motors with **Arduino**, Bluetooth connection to a mobile app built using **MIT App Inventor**.

Web applications - front-end and full-stack development (2023 – 2025)
Development of two real-world web projects using **React**, **Next.js**, **TypeScript**, and **Node.js**:

- **Artenmission.org**  : Full redesign of a cultural NGO website: modern UI, responsive layout, CMS integration, continuous deployment.
- **Agencytwenty-six.com**  : Development of a professional showcase website with animations, SEO, and Docker-based hosting.

Version control with Git and deployment using **Docker**. Collaborative work and Agile-like workflow (code reviews, documentation, versioning).

Starlink antenna installation and network setup (2025)
Network configuration and deployment of **mesh routers**. Repair and resoldering of **CAT6 Ethernet** cables. Hands-on experience with home and semi-professional network infrastructure.

Technical Skills

Design Software:	SolidWorks (CSWA, CSWP), AutoCAD, MATLAB, Cura (3D printing)
Programming & Development:	C++, Python, JavaScript, TypeScript, Arduino, React, Next.js
Embedded Systems:	Arduino and Raspberry Pi prototyping, sensors, actuators, simple automation
Technologies & Tools:	Docker, Git, Office 365, VS Code, Linux, version control, CI/CD
Fabrication & Prototyping:	3D printing, soldering, circuit assembly, functional testing
Technical Knowledge:	Mechanics, electricity, system design, automation, basic robotics, 3D modeling

Soft Skills

Teamwork, technical curiosity, clear communication, autonomy, rigor, analytical thinking.

Languages

French: Native
English: B2 level - technical and conversational
Dutch: Basic knowledge

Activities and Interests

Passionate about **technical creation and fabrication** (3D printing, electronics, robotics) as well as **creative and collaborative projects** like **Minecraft**, which strengthened my sense of logic and design. Open to the world through travel and cultural discovery. I also have a strong interest in **Burundi**, my family's country of origin, and wish to contribute in the future to its technological and educational development.