

Presentation



PORTFOLIO

A photograph of a man with glasses and a dark suit, holding a pink and black microphone. He is looking slightly upwards and to the side. A name tag around his neck is partially visible, showing "Student Tech Fellow" and "Projet Bras Robotique". The background is dark.

AGBALENYO CLEMENT

agbalenyoclementkokou@gmail.com



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My name is AGBALENYO Kokou Clement. I am a mechanical engineering student currently in my second year. Throughout my academic journey, I have developed a wide range of technical and professional skills, which I am pleased to present through my portfolio.

AGBALENYO CLEMENT

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Presentation



INTRODUCTION

AGBALENYO Clement

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AGBALENYO CLEMENT

I am AGBALENYO Kokou Clement, a mechanical engineering student with a strong interest in design, simulation, and innovative engineering solutions. I am currently in my second year of higher education, where I have built solid foundations in mechanical engineering and applied technologies.

I am passionate about transforming ideas into functional, efficient, and optimized mechanical systems. My work combines technical precision, creativity, and problem-solving, with a constant focus on real-world applications.

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EDUCATION

2024 ESIG GLOBAL SUCCESS

Introduction to the fundamental principles of mechanical engineering, including:

- Engineering mathematics and applied physics
- Statics and basic mechanics
- Technical drawing and engineering graphics
- Introduction to materials science
- Basics of manufacturing processes

This semester focused on building analytical thinking and understanding core mechanical concepts.

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2025 ESIG GLOBAL SUCCESS

Development of applied engineering skills, with emphasis on:

- Mechanical design and CAD (SolidWorks)
- Strength of materials
- Kinematics and dynamics of mechanisms
- Introduction to system modeling
- Engineering problem-solving methods

This semester strengthened my ability to design and analyze mechanical components.



2026 ESIG GLOBAL SUCCESS

Advanced application of engineering concepts through:

- Finite Element Analysis (FEA) fundamentals
- Simulation using Abaqus and ANSYS
- Mechanical system optimization
- Introduction to mechatronics
- Project-based engineering work

This semester focused on validation, optimization, and real-world engineering applications.



PERSONAL SKILLS



Beatmaking

Creative beatmaker with a strong sense of rhythm, melody, and sound design. Experienced in producing instrumental tracks by combining technical precision with artistic expression, and capable of adapting to different musical styles and creative projects.

Instructor

Passionate trainer with experience in knowledge sharing and skill development. Able to explain complex concepts in a clear, structured, and accessible way, while guiding learners through practical and hands-on learning approaches.



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WORK EXPERIENCE

2025
Project Manager

Led multiple school engineering projects, coordinating teams, managing timelines, and delivering technical solutions. Designed and delivered a custom massage vest, from concept to functional prototype, in a professional client-oriented context.

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2025
Founder - Nova Luz (Music label)

Founded and managed an independent music label, overseeing creative projects and team coordination.



2026
CEO Company “Nesso”

Leading an innovation-driven company focused on engineering solutions, including the development of an intelligent robotic arm project.

Creative Presentation

PROJECT PORTFOLIO

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Presentation

FIRST PROJECT

Design and development of an intelligent robotic arm aimed at automating handling and manipulation tasks. This project combines mechanical engineering, mechatronics, and control systems to create a modular, precise, and scalable robotic solution. The project covers the complete engineering cycle, from mechanical design and system architecture to control logic and functional validation. Particular attention is given to precision, reliability, and adaptability for educational and industrial applications.

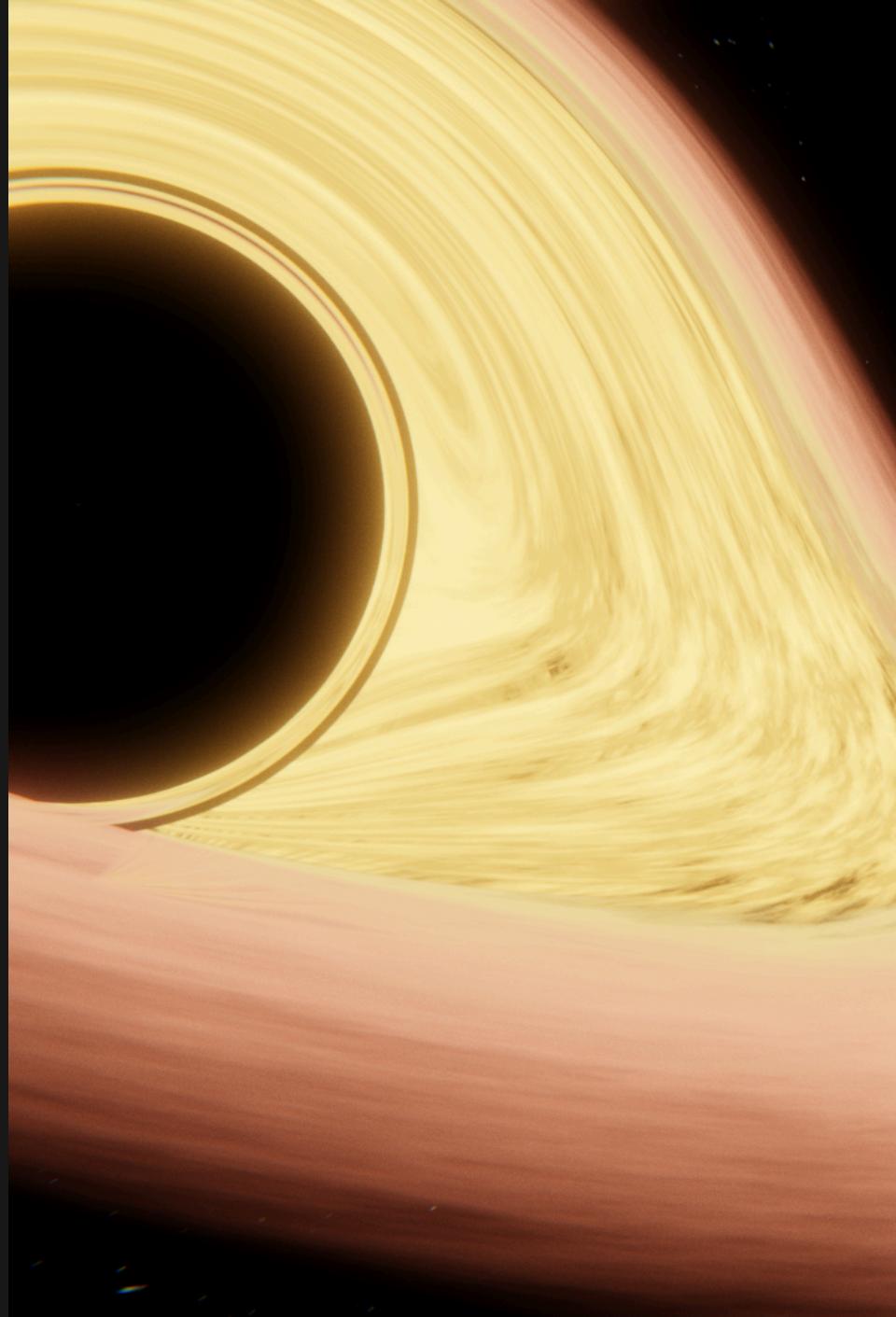
AGBALENYO Clement



*Je participe au Pitch interuniversitaire !
Rendez-vous le 22 novembre au CERSA pour me soutenir*



- Projet **Bras Robotique**
- Un robot intelligent trieur de colis basé sur une approche ingénieuse d'automatisation logistique
- Porté par M. Clément AGBALENYO



SECOND PROJECT

Black Hole (Blender) – 3D modeling and rendering project exploring realistic lighting, distortion, and cinematic space effects.

Presentation



THIRD PROJECT

Founder and creative lead of Noval Luz, producing music and managing artistic projects.

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A screenshot of a mobile application interface titled "ESIG Global Success Gestion d'Atelier". The top bar includes the school's logo and a gear icon. Below it, there's a "Mode Visiteur" section with a hand icon and a "Connexion" button. The main dashboard shows four status boxes: "Total disponible" (blue, 12), "Prêtes à l'emploi" (green, 8), "EN COURS" (orange, 3), and "MAINTENANCE" (red, 1). A "Machines de l'Atelier" section lists a "Tour à métaux T-200" (Ref: TM-001, Puissance: 3kW, Heures: 1250h) as "Disponible" with a "Réserver" button.

FOURTH PROJECT

Created an application to streamline project and tool management in the ESIG school workshop.



Founder and CEO of NESSO, an innovation-driven engineering company focused on developing advanced technological solutions. The company's flagship project is the intelligent robotic arm, which demonstrates cutting-edge integration of mechanical design, mechatronics, automation, and control systems. This project represents the culmination of my technical expertise, leadership, and entrepreneurial vision, combining practical engineering, prototyping, and innovation to create a real-world, scalable solution.

AGBAELENYO Clement

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More Information



Presentation

A medium shot of a Black man with short hair and sunglasses, wearing a light gray hoodie over a white collared shirt. He has his left hand resting against his chin and his right hand in his pocket. He is positioned centrally behind a large, bold, light beige text that reads "THANK YOU".

THANK YOU

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