BREON PAUL

APRENTICE IN RESEARCH AND INNOVATION IN XR

CONTACT

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EDUCATION

2021 - 2026

CESI ENGINEERING SCHOOL
Engineering in Master Degree in Computer Science :
- C#, C++, C, Python oriented object programmation.
- WEB with HTML, CSS, PHP, JS.
- System administrator and networking.

2019 - 2021
HIGH SCHOOL
- High School graduate with mention in Math and Physics.

SKILLS

- Unity, C#, C++, Python, 3D Engine
- Virtual Reality, Mixed Reality, Augmented Reality
- Window, Linux (graphical or not)
- Project Management
- Teamwork
- Time Management
- Critical Thinking

LANGUAGES

- French (Native)
- English (TOEIC 700)
- Spanish (Intermediate)
- German (Basics)

PROFILE

I am a computer science student at the CESI in Rouen (France), and I am currently an apprentice at the LINEACT research laboratory of the CESI. My work focuses on exploring innovative virtual and augmented reality solutions in an educational and industrial setting.
In addition to my academic and professional activities, I have a deep passion for music. As a drummer and conductor, I have developed leadership skills, creativity and a strong sense of teamwork.

WORK EXPERIENCE

CESI LINEACT — SEPTEMBER 2023 - PRESENT
Apprentice in research and innovation in XR

- Develop and deploy an application for students to learn how to use a robot by using the Digital twin of this robot in an immersive environment in Virtual Reality.
- Create a package in Unity to generate multi-point of view datasets using an immersive environment in virtual reality to recognize human actions.

ELTE Eötvös Loránd — JULY 2025 - SEPTEMBER 2025
Intern in AI and Gaussian Splatting research

- Work on Gaussian Splatting creation from real or synthetic datasets.

CESI LINEACT — April 2023 - July 2023
Intern in research and innovation in XR

- Develop a tool to instantiate a communication between ROS and Unity (ROS is one of the most use frameworks for robots and Unity the current 3D engine we are using in CESI LINEACT to create XR environments).

VOLUNTEERING

CESI Volunteering — DECEMBER 2021 - PRESENT
Manager of associations in the school and member of some of them

- Manager and team leader in the associations part in the Student Office (Management of budget and equipment, communication between the School and the students).
- Chairman of the music club since 2022 (Management of budget and equipment).
- Member of the VR club, Robotic club, Drawing club.

MUSIC Volunteering — NOVEMBER 2015 - PRESENT
Conductor and drums player
- Office member of the association since 2024.
- Conductor in the junior ochestra since 2023.
- Drum leader in the orchestra since 2019.
- Drum player since 2015.