Xerco Tchouankeu
Computer Science Student

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EDUCATION

ELEANOR ROOSEVELT HIGH SCHOOL   **Greenbelt, Maryland**
Science and Technology Program   **2021-Present**
- **GPA:** 4.0 Unweighted, 4.396 Cumulative
- **SAT**: 1510, 720 Reading, 790 Math
- **Relevant Coursework:** AP Physics C: **A,** AP Computer Science A Java: **4 on AP Exam,** AP Calculus BC: **A**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY   **Cambridge, MA**
Planning to major in Computer Science and Engineering.   **Starting September 2025**

PROFESSIONAL EXPERIENCE

Roblox Game Developer   **Self-Employed | Remote | 2021–Present**
- Created and scaled 10+ Roblox games, amassing over **10 million visits.**
- Engineered core game mechanics and implemented efficient client-server communication in Lua.
- Designed user interface, animations, and visual assets for immersive player experiences.
- **Cool Projects**
  - Developed a sword based battle royale game featuring a robust round system, a dynamic storm inspired by *Fortnite*, and a server side anti cheat protection to ensure a fair gameplay.
  - Designed a soccer game with real time physics and synchronized ball control, managing client-server interactions to ensure consistent gameplay across users.
  - Built an immersive lava survival game with destructible environments, realistic lava physics, and collision based elimination mechanics.
  - Developed a fast paced arena game where players deflect a ball using swords to eliminate opponents. Implemented efficient client-server communication to handle rapid interactions during high speed gameplay.

Graphic Designer/ Video Editor   **Freelance | Remote | 2021–Present**
- Designed thumbnails and edited videos for various youtube creators amassing over **2 million views.**
  - Rendered 3D visuals using blender, and utilized Adobe Photoshop for post processing effects.
  - Edited videos for maximum engagement using Adobe Premiere Pro.

iOS application Developer   **Self-Employed | Remote | 2024–Present**
- Built real-time tracking and user authentication systems using Swift, SwiftUI, and Firebase.
- Developed backend features for order status and data synchronization via Firebase.

Web Developer   **Self-Employed | Remote | 2024–Present**
- Developed responsive web applications using HTML, CSS, JavaScript, and React.
- Deployed production ready projects on Vercel.

Robotics Research   **Intern | In Person| 2024–Present**
- Evaluated an intrusion detection algorithm to protect roblox swarm clustering from adversarial attacks.
- Contributed to robotics research at the University of Maryland Department of Aerospace Engineering.

VOLUNTEER EXPERIENCE

Summer Bridge Program Mentor   **2023**
- Mentored incoming freshmen to ease their transition into my school's science and technology program.
- Provided academic support in mathematics and science during summer enrichment sessions.
- Fostered a welcoming environment by leading activities and answering student questions.

French Honor Society   **2023-Present**
- Coordinated and hosted my school's annual Roosevelt Got Talent fundraising event.
- Helped raise funds to support two families in Africa by selling event tickets and refreshments.

ADDITIONAL INFORMATION

- **Languages:** Fluent in English and French
- **Technical Skills:** Lua, Swift, JavaScript, Python, React, Xcode, Roblox Studio, Firebase, Vercel, GitHub, Client-Server Architecture, Game physics.
- **Awards:** MD Seal of Biliteracy, AP Scholar with distinctions, MD Seal of Biliteracy, National First-Generation Recognition Program, National African American Recognition Program, Questbridge national college match finalist.