

Xerco Tchouankeu

Computer Science Student

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EDUCATION

ELEANOR ROOSEVELT HIGH SCHOOL

Greenbelt, Maryland

Science and Technology Program

2021-2025

- **GPA:** 4.0 Unweighted, 4.452 Cumulative
- **SAT:** 1510, 720 Reading, 790 Math
- **Relevant Coursework:** AP Physics C Mechanics: **5 on AP Exam**, AP Calc BC: **5 on AP Exam**, AP United States Government and Politics: **5 on AP Exam**, AP World History: Modern: **5 on AP Exam**, AP Environmental Science: **5 on AP Exam**, AP Precalculus: **5 on AP Exam**, AP Computer Science A: **4 on AP Exam**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Cambridge, MA

Planning to major in Computer Science and Engineering (Course 6-3).

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, Python, Xcode, Roblox Studio, Firebase, GitHub, Client-Server Architecture, Game physics.

- **Awards:** MD Seal of Biliteracy, AP Scholar with distinctions (2024 and 2025), MD Seal of Biliteracy, National First-Generation Recognition Program, National African American Recognition Program, Questbridge national college match finalist.