

Xerco Tchouankeu

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Bachelor of Science in Computer Science and Engineering.

Expected Graduation: May 2029

Relevant Coursework: Introduction to Programming and Computer Science, Fundamentals of Programming, Mathematics for Computer Science, Multivariable Calculus

Organizations: National Society of Black Engineers, Black Student Union

PROJECTS AND PROFESSIONAL EXPERIENCE

Roblox Game Developer

2021–Present

- Created and scaled 10+ Roblox games, amassing over 20 million visits (every time a user plays the game)
- Engineered core game mechanics and implemented efficient client to server communication in Lua
- Designed user interface, animations, and visual assets for immersive player experiences
- **Game and graphic design portfolio** (xerco.dev)
 - 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
 - Built an immersive lava survival game with destructible environments, realistic lava physics, and collision based elimination mechanics

iOS Developer

2024–Present

- Experienced with building full iOS applications using Swift, SwiftUI, and Firebase
- Designed, built, and published a safety eyewear ordering on the Apple App Store
 - Complemented it with a connected website to track orders in real time using Firebase

Web Developer

2024–Present

- Experienced with developing responsive web applications using HTML, CSS, and JavaScript
- Completed [the Odin Project](#) foundational web development course
- **Projects** (xerco.dev)
 - Created a notebook website integrated with AI for the most prestigious hackathon, HackMIT
 - Created a music player inspired by spotify, using Flask as back end

Graphic Designer and Video Editor

2021–Present

- Designed YouTube thumbnails and edited videos for multiple creators, contributing to 2M+ cumulative views on YouTube
 - Produced 3D visuals in Blender and enhanced final renders using Adobe Photoshop for advanced compositing and post-processing

Robotics Research Intern | UMD Department of Aerospace Engineering

College Park, MD | 2024–2025

- Contributed to robotics research at the University of Maryland Department of Aerospace Engineering.
 - Evaluated an intrusion detection algorithm to protect robot swarm clustering from adversarial attacks, programmed in C

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

- Coordinated and hosted my school's annual talent show fundraising event
- Helped raise funds to support two families in Africa by selling event tickets and refreshments

SKILLS AND AWARDS

- **Languages:** Fluent in English and French
- **Technical Skills:** Lua, Python, Xcode, Roblox Studio, Firebase, GitHub, Flask, HTML, CSS, Javascript
- **Awards:** Amazon Future Engineers, Questbridge national college match finalist, Gates Scholar, 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