

Education

Grassfield High School - GPA: 4.2	Chesapeake, Virginia
Activities and societies: TSA Sergeant-at-Arms, DECA, Mu Alpha Theta, Varsity Swim & Lacrosse, Class Delegate. Selected as a member of the Governor's STEM Academy.	June 2027
Stanford Pre-Collegiate Summer Institutes	June 2025
Selected as 1 of 16 students internationally for Stanford's SCPI Business Strategies program; studied corporate strategy and operations. Earned Certificate of Completion.	
Virginia Aerospace Science and Technology Scholar Program	Dec 2025
Selected into a competitive aeronautics program. Completed 8 highly technical reports involving space exploration, crew exploration vehicles, and design upgrades to the International Space Station in web-based modules mentored by STEM educators.	

Experience

Web Developer	Freelance
• Led the front-end development stack for three clients, architecting scalable, responsive solutions using HTML5, CSS, and ES6+ JavaScript .	June, 2024- Present
• Utilized Wordpress, Joomla, and Shopify as CMS to build responsive websites to improve UX and product sales.	
Roblox Developer	Freelance
• Built scalable gameplay frameworks, physics/camera systems, and progression loops for Roblox experiences reaching 2.5M+ visits .	June, 2024- Present
• Developed UI/UX, datastore, supporting 40K+ players and in-game monetization.	

Projects

AQUAScan	Sep, 2025 - Present
• Description: TSA Engineering Design National Qualifier . Autonomous RC boat for environmental telemetry, featuring a custom PCB probe, 6+ environmental sensors, real-time tracking, and Unity aquatic data visualization.	
• Research: Deploying ML inference models to analyze nighttime dissolved oxygen depletion and predict hypoxia trends in the Chesapeake Bay.	
• Role: Electronics, Programming	Aug 2025 - Present
VESSLE	
• Description: 2x TSA Video Game Design National Qualifier . Space exploration game that blends modern sci-fi adventure with retro arcade battles, letting players explore generated planets, combat enemies, and upgrade their ship.	
• Role: Lead Developer, Artist, Musician	May 2026
Harlem Jazz Club Animatronic	
• Description: Top 5 Animatronic In Virginia . Features microcontroller-driven system integrating 6 servos, pneumatic actuators, sensor-triggered choreography, and audio.	
• Role: Electronics, Programming	

Additional Awards

William T. Reed Top High School Student Competitor (Top 0.35%) , TSA On-Demand Video National Qualifier, DECA Regional PFL Champion, Unity Certified Programmer, Unity Certified VR Developer, PLTW Digital Electronics Certified, ODU DSC 2nd Place

Additional

Language Skills:
English (native), Spanish (proficient)
Technical Skills:
Programming: Luau, Java, HTML/CSS/JS, Arduino (C++), Git, .NET, Vite
Game Development: Roblox Studio, Unity, Ren'py, Blender
Design & Tools: Adobe Photoshop, Fusion 360, Aseprite, Adobe Premiere Pro, FL Studio
