

STEVEN XU

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EDUCATION

Glenda Dawson High School — Class of 2027

GPA: 5.119 weighted / 3.871 unweighted

SAT: 1450 (670 Reading / 770 Math)

Coursework: Java Programming: Solving Problems with Software (Duke University, online)

TECHNICAL EXPERIENCE

WeCareAct Pearland — President & Webmaster 2022 – Present

- Built and maintained the organization's website to promote events, recruit members, and showcase community impact.
- Collaborated with H-E-B, Urban Outreach, and the Alzheimer's Association; led arts-based volunteer programs for seniors and underserved communities.
- Contributed to 2,000+ people helped, \$4,000+ raised, and 2,000+ volunteer hours logged.

Brackeys Game Jam — Team Developer 2024, 2025, 2026

- Collaborated with a team to design and build games under strict deadlines using Godot.
- Gained hands-on experience in game development workflows, team coordination, and rapid iterative design.

Blue Stamp Engineering — Student 2025

- Built a website to document project findings and used an API to display real-time data on a 32×64 LED matrix.
- Learned CircuitPython and microcontroller integration in a project-based engineering environment.

UT Austin Academy for Robotics — Student 2025

- Implemented PID controls in a motor controller and used C++ libraries with Arduino to program a line-following robot at optimal speed.

Personal Project: Bluetooth Arduino RC Car 2025

- Applied knowledge from UT Austin robotics camp; upgraded the processor to an ESP32 to enable wireless computer control.

3D Printing — Hobbyist 2025 – Present

- Designed and printed functional parts for personal projects, including a custom mount for an LED display panel outputting live computer data.

Pearadox Robotics Team — Member 2025 – Present

- Developed skills in electrical systems, manufacturing, and CAD (Onshape); assisted teams with electrical troubleshooting and robot assembly at competitions.
- Created electrical maps, crimped wiring harnesses, and participated in community outreach events.

PROGRAMS & CONFERENCES

RICE Elite Tech 2024

Learned Python for machine learning and C++ for real-world data gathering and sorting in engineering contexts.

Texas A&M Envision Scholars Conference 2025

Explored diverse engineering disciplines through workshops alongside scholars from across Texas.

VOLUNTEER WORK

WeCareAct Pearland — President 2022 – Present

See Technical Experience above for full description.

LearnToBe — Volunteer Tutor 2024 – Present

Provided free academic tutoring to K-12 students through an online volunteer platform.

EXTRACURRICULAR ACTIVITIES

Marching Band 2023 – 2025

Future Problem Solvers 2023 – Present

Asian Culture Club 2023 – Present

National English Honor Society 2024 – Present

Mu Alpha Theta (Math Honor Society) 2024 – Present

DECA 2025 – Present

National Honor Society 2026 – Present

SKILLS & HONORS

Languages: Python, Java, CircuitPython, GDScript (Godot), C++ (Arduino)

Tools & Tech: Godot, Onshape (CAD), 3D printing, Arduino / ESP32, LED matrices, Website building

Hobbies: Photo editing, Fishing, Volleyball, Microcontrollers, Photography

Awards: Presidential Service Award – Gold (100+ hours); Top 35%, Brackeys Game Jam 2025