

FUTURE LONGHORN NAME

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Westlake High School – Class of 2026**Intended Major: Computer Science**

STEM-FOCUSED PROJECTS & RESEARCH

11	Independent AI Research Project	5 hrs/week, 24 weeks
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- Self-directed research on machine learning frameworks using MOOCs and GitHub.
- Designed and trained CNN to detect plant disease with 87% accuracy.
- Published findings on GitHub; presented research at Austin Youth AI Symposium.

10	Python-Based SAT Prep Bot	4 hrs/week, 16 weeks
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- Programmed chatbot using OpenAI API to assist peers with SAT prep.
- Launched across Westlake Google Classroom, reaching 200+ students.
- Iterated features based on feedback to reduce average study time by 25%.

CLUBS & LEADERSHIP

9,10,11,12	Westlake Computer Science Club – President (12)	2 hrs/week, 36 weeks/year
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- Elected president, responsible for meetings, speakers, and initiatives.
- Refreshed curriculum to include ML crash courses and beginner Python series.
- Launched “Hack for Good” hackathon with 100+ attendees from 4 schools.
- Increased membership from 35 to 90+ through mentorship and outreach.

11,12	AI for Impact – Founder	3 hrs/week, 36 weeks/year
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- Founded student-led nonprofit focused on ethical AI projects.
- Developed inventory prediction model for Central Texas Food Bank, reducing overstock by 15%.
- Secured \$1,200 in grants for cloud credits and software.

SUMMER & ENRICHMENT EXPERIENCES

Summer before 11 UT Austin Code@TACC Summer Program 40 hrs/week, 2 weeks

- Selected for intensive AI research program.
- Built real-time sentiment analysis tool using Twitter data; led final project presentation.

Summer before 10 Girls Who Code Summer Immersion Program 30 hrs/week, 7 weeks

- Completed accelerated training in web development and data structures.
- Co-developed “MindMatters,” a web app supporting teen mental health.
- Recognized with “Top Tech for Change” award.

VOLUNTEERING & COMMUNITY ENGAGEMENT

10,11,12 TechConnect Tutoring – Volunteer Lead 3 hrs/week, 36 weeks/year

- Led coding classes for middle school girls underrepresented in tech.
- Created bilingual Spanish-English tutorials for Title I schools.
- Mentored 30+ students and launched sustainable after-school tech club; over 120 volunteer hours.

9,10,11 Austin Public Library – STEM Youth Volunteer 2 hrs/week, 36 weeks/year

- Led monthly “Coding Storytimes” blending robotics, coding, and storytelling.
- Facilitated teen discussion on AI ethics during Teen Innovation Month.

AWARDS & RECOGNITION

11 | NCWIT Aspirations in Computing Award – Regional Winner
10 | Google CS First Ambassador
11 | Top 10 Finalist, Congressional App Challenge – TX District 25
12 | AP Scholar with Distinction (4.0 GPA, 6 APs in STEM)