

William Liang

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Education

Boston Latin School Boston, MA

Class of 2025 | *GPA 4.25*

- Advanced Placement (AP) courses include Physics C: Electricity & Magnetism, Calculus BC, Statistics, Chemistry, Physics C: Mechanics, Computer Science A, World History, and Chinese

Skills

- Languages: fluent in Cantonese; studied Mandarin (4 years) and Latin (4 years)
- Computer: advanced in Google Workspace and Canva; proficient in Java, Python, numPy, and TensorFlow
- Personal: adaptive, problem-solving, communicative, collaborative

Professional Experience

AI Research Intern | Harvard and Northeastern Boston Area Research Initiative Boston, MA

April 2024 - September 2024

- Conducted research on AI impact on Chinatown's current restaurants, presenting ideas to 200+ specialists.

Mechanical Engineering Intern | MIT Lincoln Laboratory RISE Boston, MA

July 2024 - August 2024

- Built radar using a printed circuit board; programmed Radar GUI with Python; conducted and presented research to 150+ professionals at MIT Lincoln Laboratory & MIT Museum.

Graphic Design Manager | Boston Asian: Youth Essential Society Boston, MA

July 2022 - September 2022

- Designed Chinatown's anti-cigarette butt campaign via Canva; presented to 150+ local residents.

Volunteer Experience

Teaching Assistant | Kwong Kow Chinese School Boston, MA

June 2021 - Present

- Tutor 100+ elementary English Second Language students through interactive learning experiences.

Webmaster | Boston Latin School Recycling Committee Boston, MA

September 2022 - Present

- Lead 400+ environmental activists while developing the school's recycling website.

Lead Coordinator | A Helping Elbow Tutoring Boston, MA

January 2023 - Present

- Plan enrichment activities for 200+ elementary school English Second Language (ESL) students.

Extracurricular Activities

BLS Hack Club, *Co-Founder and Co-President* (2023 - Present)

- Lead JavaScript & 3D modeling lessons for 40+ underprivileged students; liaise with Hack Club schools

BLS Web Design Club, *Co-President* (2022 - Present)

125 Neutrons Robotics Team, *Programmer* (2022 - Present)

Junior Achievement USA, Nature's Knitwear, *Founder and Graphic Designer* (2023 - Present)

- National student-led company that raised over \$2,000 by designing and selling endangered species on apparel.

Tradition Meets Tech, *Co-Founder* (2024 - Present)

- Develop website; liaise with Chinatown restaurants; partnered with Kwong Kow Chinese School & BARI

Boston Freemasons Chinese 9-Man Volleyball Team (2021 - Present)

Honors & Awards

Published paper "*Using Synthetic Gaussian Noise to Explore Stochastic Resonance in Cancer Subtype Classification*," in Institute of Electrical and Electronics Engineers (IEEE) Access (2025)

- Independent author published in peer-reviewed, 1st quartile international open-access journal

Junior Achievement National Company of the Year Competition, *Finalist* (2024)

FIRST Robotics Houston World Championship: *Einstein Division, 2nd Place* (2023)

FIRST Robotics Houston World Championship: *Daly Division, 1st Place* (2023)