William Liu

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Motivated high school junior with strong academic performance, leadership experience, and a passion for STEM fields. Enjoys problem-solving, creative thinking, and making things.

Education

Ronald Reagan High School - 11th grade, expected graduation May 2027
- **GPA:** 99.1/100 unweighted, 106.0/100 weighted (first 4 HS semesters)
- **Test Scores:** 1500/1520, PSAT/NMSQT; 5, AIME (qualified as a top ~6% AMC participant); 103.5, AMC 10 (top high school math exam)

Experience

San Antonio Math Circle
Co-Founder (August 2024 - Present)
- Founded and led a group for motivated students to explore advanced math topics; now over a dozen members
- Led discussions exploring higher-level math not usually taught in schools such as advanced algebra, combinatorics, number theory, and geometry
- Competed in and prepared Circle members for math contests like AMC, AIME, and Mathcounts

Reagan UIL Academics Team
Math/Science/Computer Science team member, Webmaster (January 2024 - Present)
- Helped team achieve many top placements and win multiple championships at district and regional levels
- Taught contest material to over 20 other team members as a top scorer

Reagan Chinese Culture Club
President (May 2025 – Present), Secretary (August 2024 – May 2025)
- As Secretary, was responsible for preparing for club meetings, taking attendance, making announcements to members, and posting content to club Instagram page
- Grew club membership by over 200% to 35 members through active recruitment and engaging activities

Reagan Mu Alpha Theta
Committee Member (April 2025 – Present), Inducted Member (October 2023 - Present)
- Prepared for and organized math honor society meetings and events
- Developing and implementing custom software to automate attendance tracking

Reagan Orchestra
Librarian/Violinist (May 2025 – Present)
- Participated in school orchestra for 2 years; auditioned into varsity orchestra (Chamber Orchestra)
- Managed copying and distributing music as a Librarian

Skills

- **Technical:** Experience building custom devices with microcontrollers (e.g., functional alarm clock, light-sensitive toys); basic knowledge of AI/ML concepts; AutoCAD Certified User
- **Programming Languages:** Python, Java, JavaScript, HTML/CSS, various web development tools
- **Other Interests:** playing violin, swimming, running, reading, collecting maps

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Awards

- American Invitational Mathematics Examination (AIME) Qualifier (2023, 2024): One of ~6,000 HS students nationwide invited, only qualifier from Reagan HS both years, and first freshman ever from Reagan to qualify
- American Mathematics Competitions (AMC) 10 1st Place, Reagan High School (2023, 2024)
- UIL Math State Qualifier (2025): Placed 2nd at Regionals
- UIL Math, Science, and Computer Science Regionals Qualifier (2024, 2025)
- USA Computing Olympiad (USACO) Silver Division
- All-Region Orchestra Member (2021-2024)
- Texas State Solo/Ensemble Qualifier (2024, 2025)
- Student Volunteer Service Award - Gold Level (2025)