

# William Liu

<https://renaissancedog.github.io> | [jiyangliu729@gmail.com](mailto:jiyangliu729@gmail.com) | San Antonio, Texas

Motivated high school junior with strong problem-solving and leadership experience, academic performance, and a passion for STEM. Enjoys problem-solving, creative thinking, and creating things. Aspiring to become a scientist or engineer to help create a better shared future.

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## Education

**Ronald Reagan High School** - 11th grade, expected graduation May 2027

- **GPA:** 99.1/100 unweighted, 107.2/100 weighted
- **Test Scores:** 1600, SAT | 5, AIME | 108, AMC 12
- **Relevant Coursework:** AP Calculus BC, AP Physics C: Mechanics, AP Chemistry, AP Statistics

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## Experience

### San Antonio Math Group

*Co-Founder (August 2024 - Present)*

- Founded and led a student-run math community to explore advanced topics, growing to over a dozen members
- Led discussions exploring higher-level math not typically taught in secondary schools, such as advanced algebra, combinatorics, number theory, and advanced geometry
- Competed in and prepared Circle members for math contests like AMC, AIME, CMIMC, SMT, and Mathcounts

### Reagan Chinese Culture Club

*President (May 2025 - Present), Secretary (August 2024 - May 2025)*

- Organized and led club meetings, maintained attendance, developed fundraising, handled club dues and finances, communicated with members, and managed club social media
- Grew club membership by over 200%, reaching 30+ members through active recruitment and engaging activities

### Reagan Mu Alpha Theta

*Committee Member (April 2025 - Present), Inducted Member (October 2023 - Present)*

- Organized and coordinated meetings and events for school chapter of national math honor society
- Developing and implementing custom software to automate administrative tasks

### Reagan Orchestra

*Librarian (May 2025 - Present), Violinist (August 2023 - Present)*

- Auditioned into school varsity orchestra (Chamber Orchestra)
- Managed copying, inventorying, processing, and distributing music as a Librarian

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## Skills

- **Technical:** Strong math/programming skills; Basic knowledge of AI/ML concepts; AutoCAD Certified User
- **Programming Languages:** Python, Java, JavaScript, HTML/CSS, SQLite
- **Programming Frameworks:** PyTorch, NumPy, Pandas, matplotlib, Svelte, TailwindCSS
- **Other Interests:** playing violin, swimming, running, reading, collecting maps

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## Awards

- American Invitational Mathematics Examination (AIME) Qualifier (2023, 2024, 2025): One of ~6,000 HS students nationwide invited, only qualifier from Reagan, and first freshman ever from Reagan to qualify
- American Mathematics Competitions (AMC) 1st Place, Reagan High School (2023, 2024, 2025)
- 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
- Student Volunteer Service Award - Gold Level (2025)
- Texas State Solo/Ensemble Qualifier (2024, 2025)