

Alice Y. Hu

EDUCATION

C. Leon King High School IB Program, Tampa, FL Aug 2022 – May 2026
GPA: 4.0/4.0 (unweighted); 7.88 (weighted); Rank: Top 1%

California Institute of Technology - Major in Biology, Minor in Computation and Neural Systems
(CNS) 2026 – 2030

Maintained straight A performance throughout all 4 years of high school in an accelerated curriculum combining extensive AP and IB coursework

Completed 11 AP coursework including:

- Calculus BC
- Statistics
- Pre-Calculus
- Biology
- Physics 1
- Psychology
- United States History
- European History
- Microeconomics
- Macroeconomics
- Government

Completed 7 IB coursework including:

- Mathematics: Analysis and Approaches HL
- Biology HL
- English Literature HL
- Spanish
- Chemistry
- Theory of Knowledge
- History

HONORS AND AWARDS (2026)

MUSIC

- Admitted to Interlochen Arts Academy's six-week Orchestra & Wind Ensemble Summer Program

- Interlochen Arts Academy Merit Award
- The sole flutist in Florida received a Blue Ribbon Award (the highest Ribbon Award level) in the New York Flute Club Young Musicians Contest, recognizing highly polished audition performance, exceptional musicality, strong preparation, and confident stage presence.
- Selected as Principal Flutist for the Florida Music Education Association (FMEA) All-State Symphonic Band, I performed under the direction of Colonel Schofield, Commander and Conductor of The US Air Force Band.
- Selected for the FMEA All-State Band/Orchestra every year from 2021 to 2026
- The only flutist in Florida accepted into FMEA All-State Band/Orchestra consecutively for 6 years
- The only flutist in Florida served as Principal Flutist in the FMEA All-State Band 3 times (2022, 2024 and 2026) from 2021 to 2026
- Principle Flutist, Tampa Metropolitan Youth Symphony Orchestra
- Invited to play flute in the Boston International Symphony Orchestra at the Boston New Year Grand Musical Ball, Lexington, MA (January 2026)
- Invited to the Celebrate 60 Years of Boston University Tanglewood Institute event, Lenox, MA (August 1-4, 2026)
- Participated in Side-by-Side Performance – The Florida Orchestra & Tampa Metropolitan Youth Orchestra (TMYO)
- As President of my school's Tri-M Music Honor Society, I promote diversity and inclusion by bridging the predominantly Asian IB cohort with mainly African American traditional student communities. I led a multicultural student ensemble of 13 performers (including 5 African American, 3Asian, 1 Hispanic, 1 Muslim, and 3White students) in a service performance at a local multilingual senior center.

ACADEMIC ACHIEVEMENTS

- Served as Florida Regional Director for the American Regional Biology Competition (ARBC), organizing 2 regional competitions in Tampa in 2025 and 2026, bringing together 8 teams from 4 high schools to support aspiring young scientists and foster collaboration in our local STEM community.
- Florida Association of Mu Alpha Theta (FAMAT) State Competition: Sweepstakes, 8th Place; History of Math, 16th Place; Scrapbook – Digital, 2nd Place; Coached team to 10th Place in Statistics Team Competition
- FAMAT January Regional Competition: Sweepstakes, 5th Place; Coached two students to 8th Place and 15th Place in Statistics Individual; Coached team to 4th Place in Statistics Team Competition
- FAMAT February Regional Competition: Coached one student to 11th Place in Statistics Individual; Coached team to 7th Place in Statistics Team Competition

- FAMAT March Regional Competition: Sweepstakes, 3rd Place out of 37 schools; Coached one student to 11th Place in Statistics Individual; Coached team to 7th Place in Statistics Team Competition
- FAMAT Statewide competition: Sweepstakes, 7th Place out of 37 schools; Coached team to 11th place in the Statistics Team Competition with only 3 members, while all other teams had 4 members.
- Poster presentation (Co-first Author) “Ordered DNA Fragmentation over UV-patterned SU-8 Using Tn5 Transposase”, Biological Physics Section, American Physical Society Global Physics Summit, Denver, CO (March 15-20, 2026)
- Eligible and registered for the National Mu Alpha Theta Convention in Frisco, TX (June 28–July 3, 2026)
- The Principle’s Honor Roll, C. Leon King High School – Recognized for maintaining a GPA of 4.0 (2022 – 2026)
- Student of the Month, C. Leon King High School (January 2026)
- This summer, I will continue my volunteer service at Moffitt Cancer Center, helping provide nutritionally balanced meals to patients undergoing chemotherapy while assisting nurses with clinic flow and patient care.
- I was invited to apply to the three-month 2026 Caltech First-Year Success Research Institute (FSRI). This fully funded, three-month summer program includes six weeks of intensive research on campus, providing a rigorous foundation in the collaborative scientific inquiry.

SWIMMING

- Recipient, Hillsborough County Public Schools High School Scholar Athlete Award– Selected as the only female student from C. Leon King High School to receive this award, recognizing outstanding high school athletes who demonstrate outstanding leadership, perseverance, and strong character.
- Coach’s Dream Award, Girls Varsity Swim Team, King High School

LEADERSHIP

- Selected as Vice President, Recruitment & Retention (2026–2029), and tutor for Do Re Mi Project (one of three Vice Presidents); leading global outreach strategy while recruiting, training, and managing 21 recruitment directors across USA and Europe. Oversees retention initiatives supporting 539 tutors and 1,088 students across 18 countries and 43 U.S. states for a nonprofit providing 20,000+ free music lessons and 10,000+ scholarships.

(<https://www.doremiproject.org/about-us.html>)

- Florida Regional Director, American Regional Biology Competition
- President, Science National Honor Society, King High School
- Co-vice President and Statistics Coach, Mu Alpha Theta Math Team, King High School
- President, Tri-M Music Honor Society, King High School
- Co-captain, Girls Varsity Swim Team, King High School
- Captain, American Regional Biology Competition Team, King High School
- Captain, Statistics Team, King High School