

Alice Y. Hu

EDUCATION

C. Leon King High School IB Program, Tampa, FL

Aug 2022 – May 2026

GPA (1/15/2026): 4.0/4.0 (unweighted); 7.88 (weighted); **Rank**: Top 1%; **ACT**: 34

HONORS AND AWARDS

2026

MUSIC

- Principle Flutist, Florida Music Education Association (FMEA) All-State Symphonic 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 from 2021 to 2026
- 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, August 1-4, 2026, Lenox, MA
- Student of the Month, C. Leon King High School

ACADEMIC ACHIEVEMENTS

- 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

2025

MUSIC

- Frances Blaisdell Scholarship, National Flute Association (NFA) (for the first time in the NFA’s history, the organization has awarded this Scholarships to a high school student)
<https://www.nfaonline.org/about/about-the-nfa/nfa-news-updates/2025/07/02/frances-blaisdell-convention-scholarship-awarded-to-alice-hu-and-nathan-anderson>
- Invited Speaker, the Life Member and Donor Appreciation Reception, National Flute Association 53rd Annual Convention, Atlanta, GA
- 1st Place, Flute, 11th New York International Music Concours, selected to perform a solo at Winner’s Concert at Weill Recital Hall, Carnegie Hall, NY
- 1st Prize, Aspiring Artist II, International Music Competition Salzburg "Grand Prize Virtuoso",

invited to perform a solo at Winner's Concert at Solitär Mozarteum in Salzburg, Austria

- Absolute 1st Prize, Special Venue Music International Competition Awards, invited to perform a solo at Winner's Concert at Vienna Music Society (Wiener Musikverein), Glass Hall and Mirror Hall, Palace Coburg (Palais Coburg), Vienna, Austria
- Absolute Platinum Medalist, Collegiate Category, Quebec Music Competition
- 1st Prize, Spring, Classical Music Stars Competition
- 1st Prize, Young Artist, Season 2, Beethoven International Music Competition UK
- 2nd Prize, Grade 11-12 Flute-Woodwinds Division, New York Artists Guild International Music Competition, invited to perform solo at Winner's Concert at Bruno Walter Auditorium, Lincoln Center, New York
- Platinum Medalist, Collegiate Category, US-Canadian International Music Competition
- 2nd Place, American Youth Talent Intl. Music Competition 4th Edition, selected to perform a solo at the 3rd San Francisco International Young Artists Music Festival, San Francisco Conservatory of Music, CA
- 2nd Place, Tampa Metropolitan Youth Orchestra Concert Competition
- Boston University Tanglewood Institute Scholarship
- Flutist 1, Group 1 (total 4 groups), Woodwind Quintet Workshop, Boston University Tanglewood Institute (the only musician from Florida accepted into this workshop in 2025)
- Invited to perform a solo at Asian American Day, Massachusetts State House, Boston, MA
- Principal Flutist, Tampa Metropolitan Youth Symphony Orchestra
- Accelerando Scholarships for leadership and volunteer, Do Re Mi Project (<https://www.doremiproject.org/scholarship.html>)
- The Emeritus Fund, Florida Flute Association
- Special Award and Merit Flutist of the Season, Season I, Young Artist, Masterful Technique, International Music Leadership
- 2nd Place, First Coast Wind Symphony Concerto Competition, Jacksonville, FL
<http://mail.fcwinds.org/events/past-winners>
- Outstanding Achievement Award, Boston International Music Competition
- Flutist 2, Florida Music Education Association (FMEA) All-State Symphonic Orchestra
- Principle Flutist, King High School Band (2022 - present)
- Accepted to the New England Conservatory Summer Orchestra Institute, Boston, MA
- Accepted, Orford Music Academy Flute Masterclass, typically college-level only
- Invited to submit photos and a biography for personalized 2025 Icon Story digital mini-magazine (World Online Music Competitions Organization website)

ACADEMIC ACHIEVEMENTS

- National Mu Alpha Theta Convention, Statistics Division, Team (captain), 9th Place; Hustle: 7th Place; Sweepstakes, 8th Place; Statistics Ciphering, 20th Place
- Florida Association of Mu Alpha Theta (FAMAT) State Competition: Statistics Division, Team (captain), 7th Place; Hustle: 8th Place; Sweepstakes, 10th Place
- FAMAT Statewide: Statistic Team (captain), 7th Place; Sweepstakes, 5th Place

- FAMAT March Regional: Statistics Division, Team (captain), 2nd Place
- FAMAT February Regional: Statistic Individual, 5th Place; Statistics Division, Team (captain), 2nd Place
- FAMAT January Regional: Statistic Individual, 9th Place; Statistics Division, Team (captain), 3rd Place
- AP Scholar with Distinction
- Garcia Summer Research Scholars, Garcia Center for Polymers at Engineered Interfaces, Stony Brook University, NY (I am attending this summer program for the second year in a row; according to MIT website, this program is one of the competitive-admission summer programs <https://mitadmissions.org/apply/prepare/summer/>)
- Oral presentation, “Ordered DNA Fragmentation over UV-patterned SU-8 Using Tn5 Transposase”, 2025 Garcia Summer Research Symposium, Stony Brook University, NY (August 2025)
- Poster Presentation (Co-first author), “Ordered DNA Fragmentation over UV-patterned SU-8 Using Tn5 Transposase”, Symposium E. Organic and Biological Coatings, International Thin Films Conference, Taipei, Taiwan (October 2025)
- Poster presentation (Co-first Author) “A Novel Method for UV Thin-Film Backside Development for Ordered DNA Fragmentation” Biological Physics II Section, American Physical Society Global Physics Summit, Anaheim, CA, (March 2025)
- Poster presentation (Co-first Author) “A Novel Approach for Ordered Fragmentation of Mouse DNA Using Tn5 Transposase” Physics of Disease, Diagnosis and Treatment Section, American Physical Society Global Physics Summit, Anaheim, CA, (March 2025)
- Honor Roll, C. Leon King High School – Recognized for maintaining a GPA of 4.0 (2022 – Present)

SWIMMING

- Florida High School Athletic Association (FHSAA) 2A State Championships: 400 Yd Free Relay, 21st Place; 200 Yd Free Relay, 24th Place
- Western Conference – National Division: 100 Yd Back, 1st Place; 50 Yd Free, 5th Place; High Points, 5th Place; 400 Free Relay, 1st Place; 200 Medley Relay, 3rd Place; Girl’s Team (Captain), 4th Place
- Florida High School Athletic Association (FHSAA) 2A District 7 Championships: 100 Yd IM, 2nd Place; 100 Yd Backstroke, 4th Place; 200 Yd Free Relay, 2nd Place; 400 Yd Free Relay, 2nd Place; Girl’s Team (Captain), 3rd Place (with the fewest female swimmers in the district’s top 3 teams)
- FHSAA 2A Region 3 Championships: 100 Yd IM, 21st Place; 100 Yd Backstroke, 22nd Place; 200 Yd Free Relay, 8th Place; 400 Yd Free Relay, 8th Place; Girl’s Team (Captain), 9th Place out of 20 (with the fewest female swimmers in the district’s top 10 teams)
- Hillsborough County Swimming Championships: 100 Yd Back, 6th Place; 400 Yd Free Relay, 7th Place; 200 Yd Medley Relay, 8th Place
- City Relay (Tampa): Girls 500 Yd Free Replay Crescendo, 2nd Place; Mixed 400 Yd Medley Relay, 6th Place

MUSIC

- Principal Flutist, Florida Music Education Association (FMEA) All-State Concert Band
- Gold Prize, Season 3, Young Master (age 18 & under), London Young Musician
- 1st Prize, Young Artist Category, Vivaldi International Music Competition
- Winner, National Flute Association High School Flute Choir, San Antonio, TX (one of only 15 high school flutists selected nationwide to perform)
- 1st Prize, Winds Instruments Category, Season 4, Winds, Swiss International Music Competition
- 2nd Place, Artists of the year, International Youth Music Competitions
- Finalist, Annual Young Artist Competition, Ocala, FL
<https://www.reillyartscenter.com/people/alice-hu>
- Principal Flutist, Tampa Bay Winds Wind Ensemble
- Flutist 2, Tampa Metropolitan Youth Symphony Orchestra
- Tutor of the month for May, Do Re Mi Project
- President's Volunteer Service Award (Bronze), 106 hours/year for Do Re Mi Project

ACADEMIC ACHIEVEMENTS

- Garcia Summer Research Scholars, Garcia Center for Polymers at Engineered Interfaces, Stony Brook University, NY
- Oral presentations, “A Novel Method for UV Thin-Film Backside Development for Ordered DNA Fragmentation” and “A Novel Approach for Ordered Fragmentation of Mouse DNA Using Tn5 Transposase”, 2024 Garcia Summer Research Symposium, Stony Brook University, NY
- AP Scholar with Distinction
- FAMAT State Convention, Precalculus Team, 7th Place; Hustle, 3rd place; Sweepstakes, 7th Place
- FAMAT March Regional, Sweepstakes, 1st Place
- FAMAT February Regional, Sweepstakes, 5th Place
- FAMAT January Regional, Precalculus Team, 5th Place; Sweepstakes, 2nd Place
- FAMAT Statewide, Sweepstakes, 7th Place
- Health Occupations Students of America (HOSA) Future Health Professionals: Epidemiology competition (Regional): 5th Place
- Brain Bee competition (Regional): 5th Place

SWIMMING

- Western Conference – National Division: 100 Yd Back, 1st Place; 50 Yd Free, 3rd Place; 200 Free Relay 2nd Place; 400 Free Relay 2nd Place; Girl’s Team (Captain) 4th Place
- City Relay (Tampa): Girls 500 Yard Free Replay Crescendo: 6th place; Mixed 400 Yard Relay, 5th Place; Girls 400 Yd Medley Relay, 5th Place
- Florida High School Athletic Association (FHSA) 2A District 7 Championships: 100 Yd Backstroke: 3rd Place; 50 Yd Free, 5th Place; 200 Yd Free Relay, 3rd Place; 400 Free Relay, 3rd Place; Girl’s Team (Captain) 3rd Place

- FHSAA 2A Region 3 Championships: 200 Yd Medley Relay, 3rd Place; 200 Yd Free Relay, 3rd Place 11th Place; 400 Free Relay, 11th Places 50 Free & 100 Back Qualifier
- Hillsborough County Swimming Championships: Women 100 Yd Back, 6th Place; 200 Medley Relay, 8th Place; 400 Free Relay, 6th Place

2023

MUSIC

- 1st Prize, Young Artist Category, Bach International Music Competition UK
- 3rd Place, Do Re Mi International Music Competition
- 2nd Place, Senior Performance Woodwind competition, Florida Music Teachers National Association (MTNA)
- Flutist 2, Florida FMEA All-State Concert Orchestra
- Honorable Mention, London International Music Competition
- Flutist 2, Tampa Metropolitan Youth Symphony Orchestra
- Tampa Metropolitan Youth Orchestra Scholarship

ACADEMIC ACHIEVEMENTS

- USA Biology Olympiad, Certificate of Merit Scores
- American Regional Biology Competition, King High School Team Leader, 3rd Place
- Hillsborough County Science Olympics, Problem Resolve, 1st Place; Science Bowl, 2nd Place
- Health Occupations Students of America (HOSA) Future Health Professionals: Epidemiology competition (Regional), 5th Place

SWIMMING

- Florida High School Athletic Association (FHSAA) Class 2A State Championships: 400 Yd Free Relay, 12th Place; 200 Yd Medley Relay, 18th Place
- FHSAA 2A Region 3 Championships: 200 Yd Medley Relay, 3rd Place; 400 Yd Free Relay, 2nd Place; 50 Free Individual, and 100 Yd Backstroke, 8th Place
- Western Conference- National Division, 400 Yd Free Relay, 1st Place; 200 Yd Medley Relay, 1st Place
- Florida Swimming Harry Meisel Championships – West, Girls 15-16, 200 Yd Backstroke, 4th Place; 50 Yd Freestyle, 8th Place; 100 Yd Breaststroke, 6th Place

2022

MUSIC

- Principal Flutist, Florida FMEA All-State Middle School Band
- 2nd Prize, American Protégé International Music Talent Competition, invited to play solo in

Carnegie Hall, New York

- Blue Lake's Merit Scholarship
- High School Masterclass winner, Florida Flute Association Convention
- Golden Anniversary Opening Flute Choir; 50th National Flute Association Convention, Chicago
- Flutist, Flute Intensive Summer Camp, Interlochen Center for the Arts
- Flutist 2, Tampa Metropolitan Youth Symphony Orchestra

ACADEMIC ACHIEVEMENTS

- National History Day: Regional Qualifier
- Accepted, Center for Talented Youth (CTY) Summer Program at Johns Hopkins University (program canceled due to COVID-19)

SWIMMING

- FHSAA 2A Region 9 Championships: 100 Yd Back, 7th Place; 50 Yd Free, 2nd Place; 200 Melody 3rd Place; 400 Free Relay, 2nd Place
- Western Conference– National Division: 400 Yd Free Relay, 1st Place; 200 Yd Medley Relay, 1st Place; 200 Yd IM 3rd Place; 100 Yd Free 2nd Place
- City Relay (Tampa): Girls 500 Yd Free Replay Crescendo, 4th Place; Girls 400 Yd Medley Relay, 4th Place; Mixed 400 Yd Relay, 7th Place
- Florida Summer Area 3 Championships: Age 14, 200 Yard Backstroke, 3rd Place

2021

MUSIC

- 1st Place, Age 13-15, Charleston International European Music Competition
<https://charlestoncompetition.com/performer-alice-yaran-hu>
- Principal Flutist, Tampa Metropolitan Youth Philharmonic Orchestra
- Principal Flutist, Hillsborough All-County Middle School Band

SWIMMING

- Western Conference – National Division: 400 Free Relay, 1st Place; 100 Yd Back, 4th Place; 200 Yd Free, 6th Place; 100 Yd Free, 4th Place
- Hillsborough County Swimming Championship: 400 Free Relay, 6th Place; 200 Medley Relay, 8th Place
- FHSAA 2A Region 3 Championship: 50 Yd Free, 11th Place; 400 Free Relay, 4th Place

LEADERSHIP

- National Senior Recruitment Director and Tutor for the Do Re Mi Project (<https://www.doremiproject.org/>), a platform dedicated to offering online music lessons for young musicians in communities all over the world. I provided 400 free online flute lessons for students in underserved communities in Florida, New York, Maryland and Washington DC.
- 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
- Vice President, The Lion's Yarn Den Club, King High School

VOLUNTEER

- Tutors for the Do Re Mi Project, providing free online flute lessons weekly for students from underserved communities in Florida, New York, Maryland and Washington DC
- Mentor for the Tampa Metropolitan Youth Orchestra (TMYO) Mentorship Program, Mentoring junior flutists in Philharmonic Orchestra
- Volunteer & Door Monitor, National Flute Association Convention 2022, 2024 and 2025
- Summer VolunTeen Program, Moffitt Cancer Center, Tampa, FL
- Playing music for elders and patients in Lutz Senior Center, Tampa, FL

PUBLICATIONS

1. Hu, A. (Co-First author) et al., and Jonathan Sokolov (Correspondence author), A Novel Method for UV Thin-Film Backside Development for Ordered DNA Fragmentation. Poster presented in the Biological Physics II Section, American Physical Society Global Physics Summit, Anaheim, CA (March 2025)
2. Hu, A. (Co-First author) et al., and Jonathan Sokolov (Correspondence author), A Novel Approach for Ordered Fragmentation of Mouse DNA Using Tn5 Transposase. Poster presented in the Physics of Disease, Diagnosis and Treatment Section, American Physical Society Global Physics Summit, Anaheim, CA (March 2025)
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At the 2025 Garcia Summer Research Program, I independently created and designed an official logo for the Program

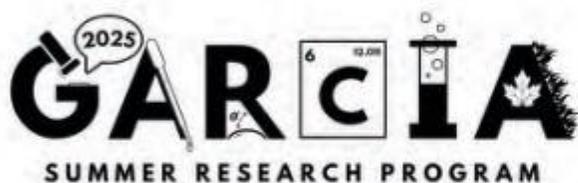
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Phoebe Zheng



Emily Segall



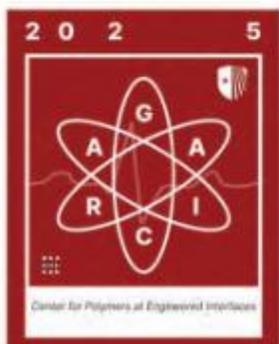
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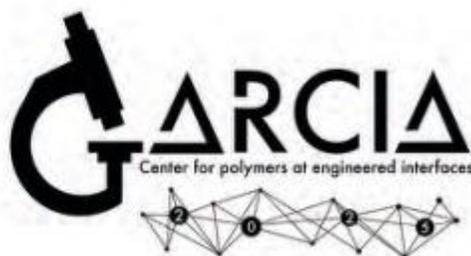
Alice Hu



Chujia Yang



Emily Li



Nathaniel Gao

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