
EDUCATION

Basis International School, Nanjing, China (Class of 2026)

2022 – Present

- **GPA:** 4.0 (unweighted), 4.76(weighted) **SAT: 1560 Mathematics – 790; Verbal – 770**
- **AP Exams:** 5s in World History, Biology, Calculus AB, European History, US History, Calculus BC, Physics 1. Chemistry; 4 in 2D Art and Design
- **Current AP & Capstone Courses:** AP Psychology, AP Art History, Capstone Multivariable Calculus, Capstone Chemistry, Capstone English, Capstone Chinese
- **Honors:** Distinguished Honor Roll (Grade 9,10,11)

DESIGN & RESEARCH EXPERIENCE

Product Designer, Landson Material Technologies, Nanjing, China.

January 2025 – Present

- Collaborated with a team to research water purification methods, focusing on challenges such as microplastic release and bacterial growth. Focused on the design of a faucet-mounted filter using an inorganic membrane with ceramic and stainless-steel housing to replace plastic components. Tested a removable, reusable, and low-cost filter and implemented design refinements to improve convenience, reusability, and cost efficiency.

Research & Design Assistant, Nantong University, Nanjing, China.

July 2025 – Present

- Conducted college-level research on art perception with Prof. Zhenghong Lu at Nantong University's School of Art. Designed and implemented voice-control and touch tools that allowed blind students to create artworks independently and express their unique sense of beauty, blending accessibility with creative innovation.

Forearm Crutch, Hospital Bed Innovation (Patent Pending), Nanjing, China.

January – October 2024

- Designed an innovative forearm crutch to improve stability and usability for individuals with spinal disorders, inspired by supporting my grandfather post-stroke. Integrated ergonomic and functional features to enhance user comfort and mobility compared to standard crutches.
- Designed a multifunctional support mechanism that provides safe, convenient, and balanced assistance for elderly individuals getting in and out of bed
- Filed two utility model patents, under review with the China National Intellectual Property Administration.

HONORS & AWARDS

Science

- 2024 British Biology Olympiad - Bronze Award, Nanjing, China

Painting

- 2025 Victoria International Youth Painting Competition - Gold Award, London, England
- 2024 12th World Cup Youth Painting Competition - Gold Award, Vancouver, Canada
- 2024 Picasso International Art Competition - Gold Award (Artwork exhibited at the Louvre), Paris, France
- 2023 Kentucky International Youth Art Competition - First Place, Morehead, KY
- 2022 International Venice Youth Art Competition, Second Place, Palazzo Dei Trecento, Italy

COMMUNITY SERVICE & EXTRA-CURRICULAR ACTIVITIES

President of Art Club and Animation Club, Basis International School, Nanjing, China.

2023 – Present

- Founded and led two student clubs (12+ members each), building a community focused on developing artistic and animation skills while fostering collaboration across disciplines.
- Spearheaded the "Fly Dragon" mural, transforming a central hallway into a vibrant installation designed to inspire confidence and school spirit.
- Partnered with Drama, Choir, Musical, and Magazine clubs to provide artistic support for school productions, events, and publications, enriching the broader student culture.
- Illustrated *Daily Life at Basis*, a collaborative book with the Writing Club featuring student stories; distributed to 400+ peers; offered a unique visual perspective on high school life.

Nanjing School for the Deaf and Nanjing School for the Blind, Nanjing, China

2023 – Present

- Established a special art program for kids who are deaf & blind, growing to 20 deaf & 6 blind members. Developed and implemented creative communication techniques to teach traditional art skills with clarity and enjoyment, while fostering an inclusive and collaborative learning environment.

Sign Language

January 2022

- Learned sign language to communicate with my three-year-old sister, who is hearing impaired.