

EDUCATION

Yongsan International School of Seoul (YISS) | GPA: 4.23 | SAT: 1560 (RW 760, M 800)

Graduation May 2027

AP Coursework: Biology (5), Computer Science A (5), English Language and Composition (5), Calculus BC (5), Chemistry (5), English Literature and Composition, United States History, Physics C: Mechanics

HONORS/AWARDS

- HOSA Medical Terminology State Leadership Conference — 1st Place (National Champion)
 - US Medicine and Disease Olympiad — 11th Place in South Korea (Top 25% Worldwide; 1,477 competitors)
 - USA Biology Olympiad — Certificate of Merit (Top 30% Worldwide, 12,808 participants)
 - International Youth Math Challenge — 2nd Place in South Korea; Top 3% Worldwide
 - Korea Foundation for Science and Creativity Research Program (YSC) — National Grantee & Semifinalist
 - YISS Service Award — 1 student selected per grade annually for civic impact
 - Outstanding Class Awards in Biology — Top Student in Course
 - Outstanding Class Awards in AP Computer Science A — Top Student in Course
 - Outstanding Class Awards in AP Chemistry — Top Student in Course
 - Asia Christian School Conference, Varsity Volleyball 2nd Place
 - Korean-American Interscholastic Activities Conference, Varsity Volleyball 1st Place
 - Korea Youth Volleyball Association International Inje Volleyball Tournament — Champion (3×)
- Mar 2025

Aug 2026

Feb 2026

Feb 2026

Sep 2024

May 2025

May 2024

May 2025

May 2026

Oct 2025

Oct 2025

Apr 2024–Mar 2025

RESEARCH/PROJECTS

Hypothermia Solutions Research, Independent Researcher & First Author (11,12)

Sep 2025–May 2026

- Conducted a structured review of hypothermia risk among populations experiencing inadequate housing and homelessness, integrating environmental, physiological, and epidemiological factors.
- Synthesized evidence on low-cost interventions involving shelter, clothing, and education, integrating epidemiological and human heat-balance frameworks under the mentorship of Dr. Seo Ho Song (Beth Israel Deaconess Medical Center).
- Published findings as first author in the *Curieux Review*.

W-Bridge Sustainable Hydrogen Research, Student Researcher (11, 12)

May 2026–Present

- Selected as 1 of 100 female student researchers nationwide for a government-funded initiative supported by the Korea Foundation for Women in Science, Engineering and Technology.
- Investigated non-precious high-entropy oxide catalysts for oxygen evolution reactions in acidic environments at Myungji University under Dr. Han Lim Lee with graduate mentors.
- Analyzed catalyst-performance data, trained machine-learning models, and used them to predict catalyst activity; presented findings at a national symposium.

Korea Foundation for Science and Creativity Research Program (YSC), Lead Researcher (10, 11)

Feb 2024–Aug 2024

- Designed a study on fear-induced stress and zebrafish telomere length under Dr. Hyun Chang Hong; dissected zebrafish and performed gel electrophoresis to assess telomere responses.
- Selected as a National Grantee and advanced to the Semifinalist stage in the program’s national research competition.

Jjokbang-Chon Hypothermia Campaign, Founder & Public Health Campaigner (11, 12)

May 2026–Present

- Translated independent hypothermia research into a community cold-weather safety campaign for isolated jjokbang-chon elders; designed research-based educational materials and personally educated elders alongside volunteers.
- Mobilized 2.3K crowdfunding donors and raised \$800 ([Kakao Together Crowdfunding Page](#)); distributed hot water bottles and cold-weather safety materials to 170 households, partnering with NGO Supporters Eroom.
- Previously supported housing restoration and lunchbox delivery for jjokbang-chon residents with Supporters Eroom, gaining firsthand insight into housing conditions and daily needs that informed the campaign.

Maeum Art Project, Founder & Traditional Craft Artist (9, 10, 11, 12)

Aug 2023–Present

- Founded a traditional Korean craft project; created handcrafted gifts across multiple series, including 50 *geumbak* (gold leaf) and *jagae* (mother-of-pearl) coasters gifted to elderly patients and volunteers at Samsung Medical Center.
- Designed traditional Korean patterns using yarn passed down by my grandmother; created stranded-knit scarves gifted to elders in my community.

LEADERSHIP/VOLUNTEER EXPERIENCE

Helping Kids Everyday Club, President (12) Treasurer (10-11) Member (9)

Aug 2023–Present

- Led YISS's largest club (120+ members); matched members with the same child at Cheong Woon Welfare Center for consistent relationships through sports, art, and cooking activities each semester.
- Raised \$5K+ and organized schoolwide donation drives; purchased and assembled 80 winter kits for Afghan refugee families through Miracle OK School.

YISS STEM Club, President (12) Treasurer (11) Science Lead (10) Member (9) Aug 2023–Present

- Established an in-school research mentorship program matching students with science teachers to conduct independent experiments; developed the program into an annual initiative.
- Developed and led hands-on engineering activities for 150+ fifth graders.

HOSA – Future Health Professionals, President (12) Vice President (11) Member (10) Aug 2024–Present

- Led HOSA, a healthcare club housed within YISS STEM Club; developed a peer coaching system with shared resources for health science competitions.
- Coached 7 first-time competitors to 3 national placements, qualifying them for the HOSA International Leadership Conference; organized annual CPR certification training for 50+ members.

Student Council, Secretary (12) Grade Representative (9-11) Aug 2023–Present

- Created YISS's first-ever house system; advocated for student-selected grade hoodies and trips, securing faculty approval and adoption by subsequent classes.
- Increased grade event participation 30%; emceed major school events and fairs for 500+ attendees.

Remember Today (RExTO), Writing & Translation Leader (10, 11, 12) Jan 2025–Present

- Conducted firsthand interviews with Korean War veterans; crafted bilingual narratives for web/social media and translated 80+ student-veteran letters to preserve and amplify their stories.
- Designed and sold commemorative hoodies and bracelets, raising \$1.4K to provide rice as nutritional aid to veterans and their families.

Samsung Medical Center, Patient Navigation Volunteer (11, 12) June 2025–Present

- Guided 300+ patients daily over 100+ hours; independently assisted elderly and first-time visitors with check-in, kiosks, payments, documents, and department navigation.
- Trained incoming volunteers on hospital procedures and patient support, drawing on experience across nearly every department.

Encounter, Operations Ministry Head & Small Group Leader (11, 12) Member (9, 10) Aug 2023–Present

- Directed a 30-member Operations Ministry at Korea's largest English-speaking youth ministry; planned and executed weekly programs and major events, assigning responsibilities, purchasing materials, and emceeing for 100+ students.
- Led a small group of 15 students annually; created and led Bible studies, organized prayer partners and post-sermon discussions, and mentored underclassmen.

ECHO, Co-Founder & Flutist (10, 11, 12) Jan 2024–Present

- Co-founded a five-member ensemble and recruited musicians for monthly visits to Bundang Yonsei Convalescent Hospital; performed flute for geriatric patients, taking song requests and inviting them to sing along.

WORK EXPERIENCE & ATHLETICS

Library of Proust, Bookstore Associate (12) Jul 2026

- Engaged local readers and visiting independent authors in hours-long conversations about Korean literature; recommended books and listened to their stories.
- Managed ordering, inventory, payments, and daily operations; independently ran the store during the owner's two-week absence.

Varsity & Club Volleyball (Astrohigh, FAV), Opposite Hitter (9, 10, 11, 12) Aug 2023–Present

- Started for club teams and competed year-round in school varsity and club volleyball, training ~10 hrs/week during school season and ~3 hrs/week off-season.
- Contributed to a 1st-place finish in the Korean-American Interscholastic Activities Conference, a 2nd-place finish in the Asia Christian School Conference, and 3 club tournament championships.

LANGUAGES & TECHNICAL SKILLS

Languages: Native English & Korean | Functional Mandarin

Technical Skills: Machine Learning | Python | Java | CPR/AED Certified | Adobe Premiere Pro