Mina Sung

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EDUCATION

Branksomehall Asia, Class of 2027 — Jeju, South Korea
International Baccalaureate (IB) Predicted Grade: 44/45
SAT: 1520 (Reading & Writing: 730, Math:790)

AWARDS AND HONORS

Rehabilitation AI Chatbot Hackathon @ Seoul Rehabilitation Hospital, ***2nd place (out of 168 participants)*** 10th
Developed an AI chatbot using Copilot Studio to support Alzheimer's patients and their caregivers (News Link)

Global Youth Action Fund 2026 @ International Baccalaureate (IB), ***$1,500 Grant Recipient*** 11th-12th
Produced a proposal, budget outline, and video for an SDG #3 project that produces toys for Alzheimer's patients (Link)

School Safety Accident Data Analysis @ Korean Education Organization, ***3rd Place (out of 128 teams)*** 10th
Analyzed five years of school accident data; proposed VR and AI solutions to improve student safety during PE classes

Design Thinking & International Exchange, 1st World Invention School Expo, ***Bronze Award*** 10th-11th
Identified navigation challenges faced by newcomers to the school; proposed a navigation system using AR, AI, and QR codes.

K-AI Content Competition @ KT Group Hope Sharing Foundation, ***Fourth Place (out of 200+ participants)*** 11th
Created a poster using generative AI and prompt engineering to promote ethical AI use (Link)

Start-up Enterprise Team-Pilot (V08) @ Business Professionals of America, ***Sixth Place (out of 72 teams)*** 10th
Submitted a 10-page report and pitched a stress-relief AI service designed to address high stress levels in South Korea.

International Creative Writing Contest @ Monomousumi, ***Outstanding Award (out of 300+ participants)*** 11th
Researched Emotional AI and explored the relationship between AI and humans and ethical challenges (Article Link)

EXTRACURRICULAR EXPERIENCES

Toys for Thoughts | President 10th-12th
Researched sensory toys for Alzheimer's prevention; designed CAD models using 3D printer, CNC router, and laser cutter; Guided 30+ members; collaborated with elderly center to support 100+ seniors; donated 60+ toys (News Link)

Tech Bridge | Founder/President 10th-12th
Designed workshops and a website with 10+ lessons on everyday technology use and digital safety; led 20+ members; partnered with senior centers to support 25+ seniors; donated 50 snacks quarterly

Human-Centered Design Research for Parkinson's Disease Patients | Researcher 11th-12th
Investigated chopstick-use challenges faced by patients with Parkinson's disease through task analysis empathy mapping; designed and refined 3D-printed prototypes based on user feedback; collaborated with senior centers on implementation

Interbird Corporation (Software Development) | Intern 9th-12th
Developed an AI chatbot for Alldatasheet, an electronic component search engine with 9M+ users, using UI/API tools; automated data-entry workflows; discussed AI /big data applications with KIOST researchers at the 2025 AI & Big Data Show

Peacemaker | Grade Representative 9th-12th
Restorative Practice certified; led 4 conflict resolution workshops for 150+ middle schoolers, 4 communication workshops for international students & 3 schoolwide events (meditation workshops, New Year celebrations, gratitude campaigns)

Digital Taylorism in Amazon Warehouses | Researcher/Writer 11th-12th
Studied whether Digital Taylorism (algorithmic management) is justified at Amazon; analyzed efficiency and workforce trade-offs through 6 business frameworks, including labor productivity, lean production, motivation theory, and industrial relations

Story of Haenyeo | Founding Member, President (11,12), Editor (10), 10th-12th
Led 30+ members in Haenyeo preservation project; donated $1350+ to Haenyeos; Edited 150+ picture books; collaborated with DashiBada to sell 140+ keychains made from retired diving suits; partnered with the Coast Guard to paint murals (News Link)

Intelliore Startup Team | Intern 10th-12th
Built human-centered ANN/CNN MVP for an AI mining safety platform using 10K+ data points for equipment-failure prediction & safety-gear detection; refined via surveys with miners and feedback from engineers in Arizona

Yearbook Academy | Head of Design (11,12), Deputy Head of Design (10) 10th-12th
Led 30+ members to produce 200+ page yearbook; assigned pages and delegated tasks; finalized layouts and coordinated with the printing company; organized monthly Adobe workshops; created 10+ page design guide

Business Professionals of America | Member 10th-12th
Hosted booth on AI voice bot using K-celebrity voices for stress relief at the 2025 National Leadership Conference in Florida; pitched to 20+ attendees & received feedback; attended 6 business leadership workshops; networked with 10+ students