

Sungju Park

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<https://sungjupark.com/>

EDUCATION

Seoul Scholars International, Seoul, South Korea

8/2020 – 5/2024

GPA: 4.60/4.00 (weighted)

Awards: High Honor Roll (Top 2 Student) every semester (2020-Present), Award of Leadership (2021), Award of Distinction (2022), AP Scholars with Distinction (2022, 2023)

INTERNSHIP

Retina & Uveitis Research Laboratory, Stanford Spencer Center for Vision Research

6/2023 - 8/2023

Mentored by Dr. Quan Dong Nguyen; co-authored AJO case report on post-vitrectomy macular edema treatment and research paper on measuring the relationship between oral montelukast and diabetic neuropathy; gave a presentation in August Uveitis journal club

Retinal and Macular Diseases, Stanford Byers Eye Institute

6/2023 - 8/2023

Involved in clinical trial research (blood draws, imaging, lab work); shadowed 5+ ophthalmologists (Dr. Albert Bromero, Anadi Khatri, etc.); created own patient chart; conducted examinations and imaging; attended grand rounds

Materials Science Research Laboratory, Hanyang University

8/2022-12/2022

Mentored by Mrs. Hyesoo Koo; researched a novel method for synthesis of a pH-responsive, smart superabsorbent hydrogel from cellulose powder ([Publication](#))

COMMUNITY SERVICE

Hospital Staff, Sae-Soul Hospital

8/2020-Present

Performed basic examination, assisted patients, managed patient chart and shadowed 4+ doctors at department of Ophthalmology, Internal medicine, Orthopedics, and General Surgery

Pre-Surgical/Operation Room Volunteer, Kyrgyzstan Cataract Surgery Camp

9/2023-10/2023

Performed reception, medical assistance, patient care before and after surgery, and disinfection; observed surgical operations during off hours

Gym Instructor, Byul-Byul Children's PE center

9/2022-Present

Assisted children with disabilities during gym sessions, taught jump ropes, and engaged in playtime activities

Hiking Facilitator, Daemo Mountain Autism Associate

5/2023-Present

Supported individuals with autism during hikes at Daemo Mountain, ensuring a safe and inclusive environment

ENTREPRENEURSHIP

WidVision, Non-Profit Organization Founder

3/2021 - Present

Founded NPO to raise eye health awareness; 9 school chapters associated, 60+ members; organized children book bazaar; produced and donated 20+ braille books; hosted ophthalmology webinars and fundraising campaigns

Vision AI and Vision Capture, Medical Invention

11/2020 - Present

Conducted independent research to enhance ophthalmology diagnosis; developed a fundus disease diagnosis algorithm through machine learning program and a handheld low-cost fundus camera for capturing fundus images

WidCode, High School Coding Tutoring Program Director

2/2021 - Present

Founded and directed weekly high school computer science tutoring program; python and scratch for beginners; C++ and algorithms for advanced level; Data science/ AI tutoring sessions during summer break

LEADERSHIP

Braille Block Investigation, Chief Director

1/2023-Present

Mapped the status of Braille blocks in Daechi-2 dong (200+ streets); submitted a policy proposal and welfare report to National Assembly; discussed reconstruction with councilors and representatives ([Report](#))

SSI Biomedical research Team, Founder

9/2022-Present

Post-COVID 19 research; Developed a Chest X-rays Classification program for five lung diseases ([Publication](#)); Hosted SSI's first biomedical research conference

Scholars Times Newspaper, Editor-in-Chief 10/2020-Present
Wrote and published monthly editions, reviewed and revised over 80+ articles and editorials, directed the magazine design layouts, conducted interviews with professionals; Founded SSI STEM research journal

HOSA future health professionals, Vice President 9/2021-Present
Selected as excellent chapter 2022-23 Korean HOSA; Organized bazaar and fundraising for Korean pediatric cancer foundation; Worked as CPR instructor educating students with emergency medical care (licensed)

SCHOOL SPIRIT

National Honor Society, President 10/2021-Present
Executed educational competitions, developed a daily lunch menu alert service, facilitated peer tutoring sessions and held fundraising events

Student Council, Grade Representative 8/2020-6/2022
Created student AP guidebooks, and organized various school events such as Spirit Week, Sports Day, and Music Concerts, Implemented an umbrella lending system

AWARDS AND HONORS

Science Fair

Grand Award Champion, Youth International Science Fair (YISF)	2/2023
Silver medal w/ \$20,000 Scholarship, Genius Olympiads	6/2023
Gold Medal; Selected as a member of Korean National Team, Korean Science and Engineering Fair	12/2022
Research Scholars Program, Harvard University	4/2022-6/2022

Competitive Programming

Gold(11), Silver(10), Bronze(9) Level Qualified, USA Computing Olympiads	12/2020-3/2023
Senior(11), Intermediate Division(10) Finalist, American Computer Science League (ACSL)	12/2021-5/2023
Perfect score on all four rounds, Korean Computer Science League (KCSL)	12/2021-5/2022
Top 8% among participants; open to adults and all, Google Kickstart	2/2021

Others

2nd Place Grand Award Winner ; \$500 Scholarship; Entrepreneurship, Future Impact Challenge	5/2023
KB Life Prudential Volunteer service award; 500+ hours of service work; WidVision NPO	8/2023
Global Health Leaders Conference, Johns Hopkins University	6/2023-8/2023

Academic Program

Bay Area Ophthalmology Course, Stanford University of Medicine	6/2023-7/2023
26th Dry Eye Disease Ophthalmology Symposium, Korea University	11/2022
New York Times Camp, Journalism	6/2021-7/2021