

# Sungju Park

Cell: +82-10-7928-7703/ Email: [psj03283@gmail.com](mailto:psj03283@gmail.com)

<https://sungjupark.com/>

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## 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)

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## INTERSHIP

**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 (Pending); gave a presentation in August Uveitis journal club; involved in montelukast study data collection

**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](#))

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## 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

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## 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

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## 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 Journal Club

**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

<b>HOSA future health professionals, Vice President</b>	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)	

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## **SCHOOL SPIRIT**

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

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## **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