

Hee Yun Ko

MEDICAL STUDENT · MEDICAL AI PRODUCT DEVELOPMENT

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*“Medical background combined with engineering and design thinking
to drive innovation in digital health and usercentered healthcare solutions.”*

Summary

Medical student at Chung-Ang University with a focus on computational neuroscience and digital health innovation. Completed a research internship at CNIR IBS, Sungkyunkwan University, gaining hands-on experience with neural data analysis using deep learning, Python, and MATLAB. Founded NeuroXi and served as President of All-Rounder Club, fostering collaboration between medicine and AI through workshops and projects. Dedicated to applying medical expertise and design thinking to create user-centered healthcare solutions that advance digital health.

Education

Chung-Ang University, College of Medicine

Seoul, S.Korea

BACHELOR OF MEDICINE

Mar. 2020 - Feb. 2028 (Expected)

- Awarded 2021 Dr. Jin Jung-Ju Pharmacy Scholarship for academic excellence and potential
- Focus on computational neuroscience and digital healthcare innovation
- Active participation in medical research and healthcare technology development

Experience

CNIR IBS, Sungkyunkwan University

Seoul, S.Korea

RESEARCH INTERN

Feb. 2025 - May 2025

- Conducted computational neuroscience projects using deep learning, Python, and MATLAB
- Developed skills in neural data analysis and machine learning for neuroscience applications

Neurogenomics Lab, Department of Biology, Chung-Ang University

Seoul, S.Korea

UNDERGRADUATE RESEARCH INTERN

Jul. 2024

- Performed nucleic acid extraction, PCR, and other wet lab techniques
- Explored intersections of neuroscience and genomics through in-depth studies
- Contributed to research projects in neurogenomics and molecular biology

JW Lee Center for Global Medicine, Seoul National University

Seoul, S.Korea

RESEARCH INTERN

Jul. 2023 - Aug. 2023

- Analyzed recent research papers on global health and prepared comprehensive reports
- Participated in medical ethics seminars, discussing ethical dilemmas and solutions in global health
- Supported research on international healthcare systems and policies

Awards & Honors

2021	Dr. Jin Jung-Ju Pharmacy Scholarship , Chung-Ang University	Seoul, S.Korea
2023	AI Center Director's Award (Honorable Mention) , 2023 Digital Healthcare Medical Hackathon at Busan	Busan, S.Korea
2024	Special Promotion Award , TEU MED 4th Innovation Contest	Seoul, S.Korea

Technical Skills

Programming	Python, MATLAB
Web Development	Astro, Tailwind, GitHub Pages
Tools	Git, GitHub, Obsidian
Research	Deep Learning, Computational Neuroscience, Data Analysis

Leadership & Activities

NeuroXi (Neuroscience Community for Korean Students)
FOUNDER AND OPERATOR

Seoul, S.Korea
Jun. 2024 - Present

- Built a platform for sharing knowledge on computational neuroscience and BCI
- Fostered interdisciplinary collaboration in neuroscience and healthcare technologies
- Organized workshops and seminars for students interested in brain-computer interfaces

All-Rounder Club (College of Medicine, Chung-Ang University)
PRESIDENT

Seoul, S.Korea
Sep. 2023 - Jun. 2024

- Officially recognized as a venture club by the Chung-Ang University LINC 3.0 Startup Support Program
- Organized symposiums with experts in medicine and artificial intelligence (AI)
- Led initiatives to bridge medicine and technology through collaborative projects

Tobedoctor
EXECUTIVE TEAM MEMBER

Seoul, S.Korea
Mar. 2022 - Dec. 2023

- Organized the 10th Young Doctors' Forum in 2023
- Published issues of a magazine for medical students, covering topics like medical ethics and digital healthcare innovation
- Created video interviews with healthcare startup founders, showcasing innovation

Heba
MEMBER OF THE 4TH STUDENT ENTREPRENEURSHIP ASSOCIATION

Seoul, S.Korea
Sep. 2024 - Nov. 2024

- Conducted user interviews and gathered feedback to update ideas
- Developed UX optimization strategies during the early stages of product development
- Collaborated with fellow entrepreneurs to refine business models