

# Hee Yun Ko

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## Education

Chung-Ang University, College of Medicine

- Degree: Bachelor of Medicine (Mar 2020 - Feb 2028, expected)
- Scholarship: 2021 Dr. Jin Jung-Ju Pharmacy Scholarship
  - Awarded for academic excellence and potential

## Research

- CNIR IBS, Sunggyunkwan University (Feb 2025 - Current)
  - Work as a Research Assistant to learn about Computational neuroscience with tools (e.g. DL, Python, Matlab)

## Experience

1. JW Lee Center for Global Medicine, Seoul National University

- Research Intern (Jul 2023 - Aug 2023)
  - Analyzed recent research papers on global health and prepared reports
  - Participated in a medical ethics seminar, discussing ethical dilemmas and solutions in global health settings
  - Enhanced understanding and practical problem-solving skills in global health

2. Neurogenomics Lab, Department of Biology, Chung-Ang University

- Undergraduate Research Assistant (Jul 2024)
  - Gained technical skills in nucleic acid extraction, PCR, and other Wet Lab techniques
  - Explored intersections of neuroscience and genomics through in-depth studies

3. Digital Healthcare Startup, Delight Co., Ltd.

- Product Owner (PO) (Aug 2024)
  - Conceptualized and designed the 'Itch Tracker' app for atopic dermatitis patients
  - Conducted user interviews and data analysis to enhance user experience

#### 4. SleepTech Healthcare Startup, Aphrodot

- CEO & Founder (Sep 2024 - Dec 2024)
  - Operated a personalized sleep consulting service, 'GodJam'
  - Delivered customized sleep solutions based on qualitative interviews
  - Partnered with USIMKO Co., Ltd. for social events and product promotion

## Leadership & Awards

### 1) Leadership

#### 1. All-Rounder Club (College of Medicine, Chung-Ang University)

- President (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)

#### 2. NeuroXi (Neuroscience Community for Korean Students)

- Founder and Operator (Jun 2024 - Present)
  - Built a platform for sharing knowledge on computational neuroscience and BCI
  - Fostered interdisciplinary collaboration in neuroscience and healthcare technologies

### 2) Awards

#### 1. 2023 Digital Healthcare Medical Hackathon at Busan

- AI Center Director's Award (Honorable Mention) (Sep 2023)
  - Proposed a solution to address diagnostic delays for rare diseases using LLM
  - Enhanced algorithms and business models through collaboration with D-Camp X

#### 2. TEU MED 4th Innovation Contest

- Excellence Award (2nd Place) (Apr 2024 - Jun 2024)
  - Planned 'Auto Suction 24/7', an innovative product for family caregivers of bedridden patients
  - Offered practical and economical solutions to alleviate caregivers' burdens
- Special Promotion Award (Apr 2024 - Jun 2024)
  - Achieved outstanding results in promoting TIDE Institute through targeted strategies

## Extracurricular Activities

### 1. Tobe doctor

- Executive Team Member (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

### 2. Heba

- Member of the 4th Student Entrepreneurship Association (Sep 2024 - Nov 2024)
  - Conducted user interviews and gathered feedback to update ideas
  - Developed UX optimization strategies during the early stages of product development

## Technical Skills

Python (data handling, automation scripts, scientific workflows)

Obsidian (Markdown-based knowledge system, content-driven publishing) Astro, Tailwind CSS

GitHub Pages, Cloudflare Pages, Custom Domain Integration

DNS Configuration (CNAME, A Records, HTTPS, Redirects)

Git & GitHub, Terminal-based troubleshooting

Deployment debugging (spawn E2BIG, NXDOMAIN, 522 timeout)

### ***Vision***

**Leveraging expertise in Medicine, aim to integrate perspectives from engineering, philosophy and various Disciplines**