





# Ganghui Yi

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## RESEARCH INTERESTS

AI in Healthcare, Applied Machine Learning, Biomedical Informatics

## EDUCATION

### Sogang University

*B.S. in Computer Science and Engineering, Double Major in Life Science*

*Major GPA: 4.17/4.5; Cumulative GPA: 4.11/4.5(Magna Cum Laude)*

Mar. 2017 – Feb. 2024

Seoul, Korea

### Case Western Reserve University

*Exchange Student*

Aug. 2022 – Dec. 2022

Cleveland, Ohio

## HONORS AND AWARDS

*Magna Cum Laude*, 1st Place in Ideathon(LikeLion 9th), 1st Place in Hackathon(LikeLion 9th), Sogang Entrepreneurship Award for Outstanding Startup Idea

## EXPERIENCE & PROJECTS

### Research Intern | BML lab in CBNU

Aug. 2024 – Present

- Under the guidance of Prof. Kyuri Jo, conducting applied research in bio and healthcare via machine learning
- Conducting research on inferring multi-omics biomarkers for non-cancer diseases using few-shot learning

### Google for Developers Machine Learning Bootcamp | Google Korea

Jun. 2024 – Present

- Selected for Google Korea's Machine Learning Bootcamp (2024)
- Developing expertise in machine learning at Google Korea's Bootcamp (ongoing)

### Research Project | ICSL Lab in Sogang University

Mar. 2023 – Jun. 2023

- Under the guidance of Prof. Jungmin So, enhanced spectrum utilization in cognitive radio networks by leveraging the Federated Multi-Armed Bandit (FMAB) algorithm for collaborative decision-making
- Achieved faster convergence and lower regret in Fed2 UCB, highlighting federated learning's practical significance

### URL Repo | LikeLion 9th

Mar. 2022 – Aug. 2022

- Developed using React for frontend with a component-based approach for streamlined maintenance and scalability
- Implemented URL saving and sharing functionality using hashtags and titles, enhancing collaboration and efficiency

### Combat Medic Sergeant | 27th Infantry Division, Republic of Korea Army(ROKA)

Jul. 2019 – Jan. 2021

- Attained Special Warrior recognition, led squad as squad leader, and participated in numerous training missions during military service

## SKILLS

**Programming Languages:** C/C++, Python, Java, HTML/CSS, MySQL, L<sup>A</sup>T<sub>E</sub>X

**Frameworks:** TensorFlow, Keras, React, Node.js, Django

**Tools:** Git, Unix Shell, Google Colab, VS Code, Visual Studio Community, drJava

**Language Proficiency:** Native in **Korean**, Proficient in **English**, Intermediate in **Chinese** and **Spanish**

## EXTRACURRICULAR ACTIVITIES

### Stroke(Sogang Swimming Club) | Fall '23 Captain

Mar. 2022 – Feb. 2024

- Instructed autistic children in swimming, fostering their communication skills and adaptability
- Led the team as the Fall '23 Semester Captain, securing multiple medals in various competitions

### P&E English | Instructor

Jan. 2021 – Feb. 2023

- Taught IGCSE Chemistry and Biology, TOEFL, and English classes to Korean students from 1st to 10th graders

### HUG - International Volunteer Club | Volunteer

Mar. 2017 – Jun. 2019

- Guided incoming exchange students at Sogang University, facilitating their adjustment to Korean society and academic life while fostering cultural exchange initiatives