

Ganghui Yi

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RESEARCH INTERESTS

AI in Healthcare, Applied Machine Learning, Biomedical Informatics

EDUCATION

Sogang University <i>B.S. in Computer Science and Engineering, Double Major in Life Science</i> <i>Major GPA: 4.17/4.5; Cumulative GPA: 4.11/4.5(Magna Cum Laude)</i>	Mar. 2017 – Feb. 2024 Seoul, Korea
Case Western Reserve University <i>Exchange Student</i>	Aug. 2022 – Feb. 2023 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 <i>BML lab in CBNU</i> <ul style="list-style-type: none">Under the guidance of Prof. Kyuri Jo, conducting applied research in bio and healthcare via machine learningConducting research on inferring multi-omics biomarkers for non-cancer diseases using few-shot learning	Aug. 2024 – Present
Google for Developers Machine Learning Bootcamp <i>Google Korea</i> <ul style="list-style-type: none">Selected for Google Korea's Machine Learning Bootcamp (2024)Developing expertise in machine learning at Google Korea's Bootcamp (ongoing)	Jun. 2024 – Present
Research Project <i>ICSL Lab in Sogang University</i> <ul style="list-style-type: none">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-makingAchieved faster convergence and lower regret in Fed2 UCB, highlighting federated learning's practical significance	Mar. 2023 – Jun. 2023
URL Repo <i>LikeLion 9th</i> <ul style="list-style-type: none">Developed using React for frontend with a component-based approach for streamlined maintenance and scalabilityImplemented URL saving and sharing functionality using hashtags and titles, enhancing collaboration and efficiency	Mar. 2022 – Aug. 2022
Combat Medic Sergeant <i>27th Infantry Division, Republic of Korea Army(ROKA)</i> <ul style="list-style-type: none">Attained Special Warrior recognition, led squad as squad leader, and participated in numerous training missions during military service	Jul. 2019 – Jan. 2021

SKILLS

Programming Languages: C/C++, Python, Java, HTML/CSS, MySQL, L^AT_EX
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) <i>Fall '23 Captain</i> <ul style="list-style-type: none">Instructed autistic children in swimming, fostering their communication skills and adaptabilityLed the team as the Fall '23 Semester Captain, securing multiple medals in various competitions	Mar. 2022 – Feb. 2024
P&E English <i>Instructor</i> <ul style="list-style-type: none">Taught IGCSE Chemistry and Biology, TOEFL, and English classes to Korean students from 1st to 10th graders	Jan. 2021 – Feb. 2023
HUG - International Volunteer Club <i>Volunteer</i> <ul style="list-style-type: none">Guided incoming exchange students at Sogang University, facilitating their adjustment to Korean society and academic life while fostering cultural exchange initiatives	Mar. 2017 – Jun. 2019