Ganghui Yi

⌂ hughyi.github.io

RESEARCH INTERESTS

AI for Healthcare, Applied Machine Learning, Bioinformatics

EDUCATION

Sogang University   Mar 2017 - Feb 2024
Bachelor of Science in Life Science, Double Major in Computer Science and Engineering   Seoul, Korea
Honors: ***Magna Cum Laude***
Major GPA: 4.17/4.5, Cumulative GPA: 4.11/4.5

Case Western Reserve University   Aug 2022 - Feb 2023
Exchange Program   Cleveland, Ohio

EXPERIENCES

Bioinformatics & Machine Learning Lab, Chungbuk National University   Aug 2024 – Present
Research Intern   Cheongju, Korea
Advisor: Prof. Kyuri Jo
Developing a MAML-based few-shot learning model using TCGA data to predict disease presence in non-cancer
conditions, applying Differential Gene Expression (DGE) analysis for biomarker discovery.

Google for Developers Machine Learning Bootcamp, Google Korea   Jun 2024 – Present
Selected Participant   Seoul, Korea
Engaging in a 14-week program combining deep learning theory (Andrew Ng's Deep Learning Specialization) with
hands-on experience through Kaggle competitions and collaborative projects using Gemma open models.

Research Project, Sogang University   Mar 2023 – Jun 2023
Undergraduate Researcher   Seoul, Korea
Advisor: Prof. Jungmin So
Developed an enhanced Federated Multi-Armed Bandit (FMAB) algorithm for cognitive radio, improving spec-
trum access, reducing regret, and lowering communication costs through client cooperation (Fed2 UCB) [pdf][code]

Likelion Sogang, Likelion   Mar 2021 – Dec 2021
Front-end Developer   Seoul, Korea
Developed responsive and scalable user interfaces using React, HTML/CSS, and JavaScript for URL reposi-
tory service, enhancing user experience by implementing URL saving, sharing, and keyword search functionality
through hashtags and titles, streamlining collaboration and information retrieval.

27th Infantry Division, Republic of Korea Army (ROKA)   Jul 2019 – Jan 2021
Combat Medic Sergeant   Hwacheon, Korea
Led a squad during training missions, attained Special Warrior recognition, and provided medical support by
assisting doctors, administering treatments, managing medications, and dispensing prescribed medicines.

TEACHING

5110134 Artificial Intelligence, Chungbuk National University   Fall 2024
Teaching Assistant (working with Prof. Kyuri Jo)

LEADERSHIP & SERVICES

Captain, STROKE (Sogang Swimming Club)   Fall 2023
Swimming Instructor for Children with Autism, Mapo Art Center Swimming Pool   Fall 2023
Member, STROKE (Sogang Swimming Club)   Spring 2022 - Fall 2023
English Tutor, P&E English, Seoul   Feb 2021 - Feb 2023
Squad Leader, 27th Infantry Division, ROKA   Jul 2020 - Jan 2021
Member, HUG (Sogang International Volunteer Club)   Spring 2017 - Spring 2019
Volunteer Korean Tutor for Korean Chinese, Yantai, China   Spring 2015 - Fall 2015

HONORS & AWARDS

Outstanding Startup Idea Award, Sogang University   Fall 2021
1st Place, Likelion Hackathon   Fall 2021
1st Place, Likelion Ideathon   Summer 2021

SKILLS

Programming Languages: C/C++, Python, Java, HTML/CSS, MySQL
Frameworks/Packages: PyTorch, TensorFlow, Keras, Pandas, NumPy, React
Tools: Git/GitHub, Unix Shell, LaTeX
Languages: Native in **Korean & English**, Intermediate in **Chinese**, Basic in **Spanish**

STANDARDIZED TEST SCORES

GRE General Test: Verbal (157/170, 73%), Quant (170/170, 92%), Analytical Writing (4.5/6.0, 83%)
iBT TOEFL: 111 (Reading: 30/30, Listening: 29/30, Speaking: 28/30, Writing: 24/30)