Ganghui Yi

 github.com/hughyi   hughyi.github.io   linkedin.com/in/hughyi   kangheelee98@gmail.com

EDUCATION

Sogang University   Mar. 2017 – Feb. 2024
B.S. in Computer Science and Engineering, Double Major in Life Science   Seoul, Korea
*Major GPA: 4.17/4.5; Cumulative GPA: 4.11/4.5(**Magna Cum Laude**)*

Case Western Reserve University   Aug. 2022 – Jan. 2023
Exchange Student   Cleveland, Ohio

COURSEWORK

Courses: Advanced Applied C Programming, Java Programming, Computer Science and Engineering Lab, Data Structures, Design and Analysis of Algorithms, Research Project, Operating Systems, Computer Systems, Computer Architecture, Computer Networks, Database Sytstem, Discrete Mathematics, Calculus, Digital Circuits

Honors and Awards: Magna Cum Laude, 1st Place in Ideathon(Likelion), Sogang Entrepreneurship Award for Outstanding Startup Idea

SKILLS

Programming Languages: C/C++, Python, Java, MySQL, HTML/CSS, LaTeX
Tools: Git, Unix Shell, Google Colab, VS Code, Visual Studio Community, drJava
Frameworks: React, Node.js, Django
Language Proficiency: Native in **Korean**, Proficient in **English**, Intermediate in **Chinese** and **Spanish**

EXPERIENCE & PROJECTS

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| *Python, NumPy, Matplotlib, Colab, VS Code, LaTeX*   Mar. 2023 – Jun. 2023
- Leveraged Federated Multi-Armed Bandit (FMAB) algorithm to enhance spectrum utilization through collaborative decision-making in cognitive radio networks
- Demonstrated faster convergence and lower regret with client cooperation in Fed2 UCB, underscoring federated learning's significance for practical deployment

URL Repo | *Django, React, React Native, REST API*   Mar. 2022 – Aug. 2022
- Developed using React for frontend with a component-based approach for streamlined maintenance and scalability
- Built a web app with Django for backend and RESTful API, integrated with a React for dynamic user experiences
- Implemented URL saving and sharing functionality using hashtags and titles, enhancing collaboration and efficiency

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
- Instructed 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