Dogyeom Kim

Hanyang University
Seoul, Korea

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Education

Hanyang University	2021 – Present
Department of Computer Software	*Seoul, Korea*
Daejeon Daeshin High School	2018 – 2021
	Daejeon, Korea

Research Experience

Worked in the Defense Security Agency(DSA)	2023.09 – 2025.01
Reverse Engineering Research Department	*Seongnam, Korea*

- Develop IDA-based Hardware Reversing Tools.
- Develop AI-based Assembly Language Similarity Testing Program.

Intern in KIST(Korea Institute of Science and Technology)	2023.01 – 2023.06
Quantum Information Research Group	*Suwon, Korea*

- Develop Simulation to Manipulate Single Qubit in NV Center Quantum Computer.
- Research the Optimal Way to Initialize Quantum Circuits Using AI & Optimization Algorithms

Awards & Honors

3rd Prize at University Student Security Debate Contest, Division of Sci & Tech	2024
Korea Military Academy	*Seoul, Korea*
Special Prize at 2024 Air Force Start-up Competition	2024
Republic of Korea Air Force Headquarters	*Gyeryong, Korea*
Computer Software Department New Admission Scholarship	2021 & 2022
Hanyang University, Full Extemption	*Seoul, Korea*
2022 Hanyang Computer Programming Competition, Advance Div 7th	2022
Hanyang University	*Seoul, Korea*
Excellence Prize at the 2019 Korea Youth Startup Competition	2020
Korea Entrepreneurship Foundation	*Suncheon, Korea*
Special Prize at UNIST Super Computing Camp	2019
UNIST, KT	*Pohang, Korea*
Excellence Prize at the 2018 Korea Youth Startup Competition	2019
Ministry of Education	*Seoul, Korea*

Teaching Experience

Spring Semester C Language Mentor in Algorithm Society "Aloha"	2022
Hanyang University	*Seoul, Korea*
Fall Semester Python Main Mentor in Programming Society "FORIF"	2022
Hanyang University	*Seoul, Korea*

Skills

Network Manager Certificate, Level 2

Other Experience

Quantum Convolutional Neural Network 2023
2023 HAIKU AI Union Conference *Seoul, Korea*

Volunteer Work in OK Friends Homecoming Teens Youth Camp 2022
Overseas Koreans Foundation *Daegu, Korea*
- Plan a Korean Guide Program for Overseas Koreans.
- Conduct an English Interpretation Guide to Introduce Korean Cultural Heritage.