

# DooHyun Kim

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Bachelor Student  
Hanyang University ERICA  
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## Educations

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Hanyang University ERICA, Ansan, Korea (Mar. 2023 ~ Present)

- Major in Media Technology
- Major in Computer Science
- Minor in Acturial Science

*Bachelor Student*

GPA: 4.2 / 4.5

## Research Interests

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- Human-Computer Interaction
- Financial Engineering
  - AI in Finance
  - Financial Market Analysis and Forecasting
  - Risk Management
  - Financial Data Analysis
- Fintech / Insurtech
  - Financial / Insurance Product Recommendation Services
  - Personal Financial Management Services

## Personal Projects

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- COVID-19 Projects
  - Computer Vision
    - [CV] Masked Face Classification Model (AlexNet) (Sep. 2023)
    - [CV] Handwritten numeric classification model (LeNet-5) (Sep. 2023)
    - [CV] Real-time Masked Face Classification using AlexNet Model with OpenCV (Mar. 2022)
  - Deep Learning
    - [DL] Forecasting the daily number of confirmed COVID-19 cases using LSTM (Aug. 2021)
  - Embedded System
    - [ES] Production of Non-Contact Thermometer (May. 2021)
- Soical Issues Projects

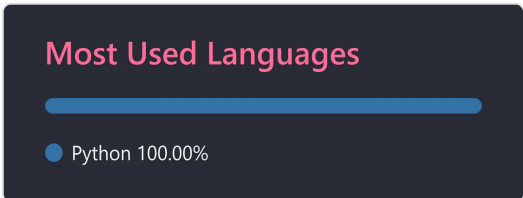
- Natural Language Processing
  - [NLP] Pet Loss Syndrome Psychological Counseling Chatbot (Nov. 2024)
- Data Science
  - [DS] Subway congestion at Hanyang University at Ansan Station by time zone (Dec. 2023)
- Game(Contest)
  - [대회] 2021 Ulsan AI · SW Hackathon (Oct. 2021)
- Embedded System
  - [ES] Production of Potato SmartFarm (Jun. 2021)
  - [ES] Production of Air Purifier (May. 2021)
- Other Projects
  - Demonstration
    - [CS] Programmatic Demonstration of the Monty Hall problem (Jul. 2022)
  - Game
    - [Game] PAC-MAN implemented in C++ language (Sep. 2020)

## Honors and Awards

- Encouragement Award (4th place / 83 teams), 2024 National University Students SW Startup Ideathon (Nov. 2024)
- Encouragement Award (3rd place / 30 teams), English Speech Contest (Dec. 2021)
- 1st Prize (1st place / 23 teams), Sangsang Craft Competition (Software Division), (Oct. 2018)
- Admission Excellence Scholarship (Spring. 2023)

## Skills and Techniques

- Korean: Native
- English: New TEPS 291 / 600 (3+, Mid Intermediate Level of Communicative Competence) (Jun. 2024)



## Certifications

| Certification                       | Organization                | Date      |
|-------------------------------------|-----------------------------|-----------|
| Craftsman Information Processing    | HRD Korea                   | Apr. 2024 |
| Driver's License 2nd Class Ordinary | Gyeongbuk Provincial Police | Jan. 2024 |

| Certification                  | Organization                | Date      |
|--------------------------------|-----------------------------|-----------|
| DIAT - Presentation Advnaced   | KAIT                        | May. 2017 |
| DIAT - Word Processor Advnaced | KAIT                        | Mar. 2017 |
| DIAT - Spreadsheet Advnaced    | KAIT                        | Sep. 2016 |
| Hap Ki Do 3rd Dan              | The Korea Ki Do Association | Jan. 2016 |

## Additional Information

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- solved.ac G5
- Member of HYAI, the Artificial Intelligence Association (Mar. 2024 ~ Present)
- Leader of IT Convergence, the IT Making Club (Mar. 2021 ~ Feb. 2022)
- Leader of Cpp(Cooperate Project Programming), the Programming Club (Mar. 2020 ~ Feb. 2023)
- Member of 3D Design Club (Mar. 2020 ~ Feb. 2021)
- Leader of Macro, the Programming Club (Mar. 2018 ~ Feb. 2020)