# Hyomin Kim

KAIST
85, Hoegi-ro, Dongdaemun-gu, Seoul, Republic of Korea
+82) 10-2468-4967
hyomin126@kaist.ac.kr

## EDUCATION

| | |
|---|---:|
| **Ph.D.** | Mar.2025 - |
| *Graduate School of Artificial Intelligence @ KAIST* | *Seoul, Korea* |
| **M.S.** | Mar.2023 - Feb.2025 |
| *Graduate School of Artificial Intelligence @ POSTECH* | *Pohang, Korea* |

- GPA: 3.74/4.3

| | |
|---|---:|
| **B.S.** | Mar.2019 - Feb.2023 |
| *Computer Science & Engineering @ Chung-Ang University* | *Seoul, Korea* |

- GPA: 4.15/4.5

## INTERESTS

- AI4Science

- Generative Models

- Geometric Deep Learning

- Graph Neural Networks

## PUBLICATIONS

- **Hyomin Kim**, *Yunhui Jang, Jaeho Lee, and Sungsoo Ahn, 2024,* **Hybrid Neural Representations for Spherical Data**, *ICML*

- *Sungwoo Park,* **Hyomin Kim**, *Hyeseong Kim and Junseok Kwon, 2022,* **Riemannian Neural SDE: Learning Stochastic Representations on Manifolds** *, NeurIPS, ICLRW*

## RESEARCH EXPERIENCE

| | |
|---|---:|
| **Computer Vision & Machine Learning Lab** | Aug. 2020 – Dec. 2022 |
| *Undergraduate Research Intern @ Chung-Ang University* | *Seoul, Korea* |

- Published paper accepted at NeurIPS 2022.
- Published paper accepted at ICLR Workshop 2022.
- Published paper accepted at MTAP 2022.

| | |
|---|---:|
| **Machine Learning Lab** | June. 2022 – Aug. 2022 |
| *Undergraduate Research Intern @ POSTECH* | *Pohang, Korea* |

- Summer internship at Machine Learning Lab.
- Studied & done research project about geometric deep learning

| | |
|---|---:|
| **PeopleSpace Inc.** | Jan. 2021 – Feb. 2021 |
| *AI Project* | *Virtual* |

- Implemented attention managing programming for Zoom class.
- Collect data of zoom class and trained model for multi-classification.
- Implemented Graphic User Interface for attention managing program.

## TEACHING EXPERIENCE

| | |
|---|---:|
| **Pohang University of Science and Technology (POSTECH)** | Sep. 2023 - Dec. 2023 |
| *Teaching Assistant* | *Pohang, Korea* |

- CSED105 - Introduction to Artificial Intelligence

## SCHOLARSHIPS

- **Presidential Science Scholarship ( 2019 - 2023 )**
  Through a highly competitive process, recipients are selected for the opportunities to study in Korea or abroad. The criteria include academic excellence and potential to contribute to the areas of science, engineering, or technologies.

## HONORS

- Google Solution Challenge, TOP-10, People's Choice Award, Google Developers (July, 2022)

- X-CORPS Festival 2021, 2nd Prize, Ministry of Science and ICT, Korea(Nov. 2021)

- Chung-Ang University Engineering Festival 2021, 3rd Prize, (Nov. 2021)

- Chung-Ang University DaVinci Open Source SW-AI Deep Learning Hackathon, 4th Prize, (Aug. 2021)

## ADDITIONAL ACTIVITIES

- Young Engineers Honor Society (YEHS) under the National Academy of Engineering of Korea (NAEK) (May.2020 - Present)

## LANGUAGE SKILLS

**Korean (native), English (fluent)**

**TOEFL iBT** : 102
**TOEIC** : 935
**TOEIC Speaking** : Level 7

## TECHNICAL SKILLS

**Languages** : Python, C, C++, Java, Javascript
**Machine Learning** : PyTorch, Tensorflow, MATLAB, FastAI