

Hyomin Kim

POSTECH

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EDUCATION

M.S.-Ph.D. Integrated

Graduate School of Artificial Intelligence @ POSTECH

Mar.2023 - Present

Pohang, Korea

B.S.

Computer Science & Engineering @ Chung-Ang University

Mar.2019 - Feb.2023

Seoul, Korea

- GPA: 4.15/4.5

INTERESTS

- Implicit Neural Representations
- Geometric Deep Learning
- Graph Neural Networks

PUBLICATIONS

- **Hyomin Kim**, Yunhui Jang, Jaeho Lee, and Sungsoo Ahn, 2024, **Hybrid Neural Representations for Spherical Data**, *arXiv preprint*
- Sungwoo Park, **Hyomin Kim**, Hyeseong Kim and Junseok Kwon, 2022, **Riemannian Neural SDE: Learning Stochastic Representations on Manifolds**, *NeurIPS, ICLRW*

EXPERIENCE

Computer Vision & Machine Learning Lab

Undergraduate Research Intern @ Chung-Ang University

Aug. 2020 – Dec. 2022

Seoul, Korea

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

Machine Learning Lab

Undergraduate Research Intern @ POSTECH

June. 2022 – Aug. 2022

Pohang, Korea

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

PeopleSpace Inc.

AI Project

Jan. 2021 – Feb. 2021

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.

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

TOEFL iBT : 102

TOEIC Speaking : Level 7

TECHNICAL SKILLS

Languages : Python, C, C++, Java, Javascript

Machine Learning : PyTorch, Tensorflow, MATLAB, FastAI