Sibeen Kim

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RESEARCH GOAL

Currently, my research focuses on **humanoid control**, exploring how **deep reinforcement learning** can enable more robust and adaptive robotic behaviors. My long-term research vision is to bridge advanced robotic control with medical applications, particularly developing intelligent control systems for assistive technologies such as **exoskeletons** and **bionic limbs** for individuals with disabilities.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Mar 2025 -
M.S./Ph.D. in Artificial Intelligence (Advisor: Jaegul Choo)

Korea University Mar 2018 - Feb 2025
B.S. in Biomedical Engineering, GPA: 4.00 / 4.5
*Frequent leave of absence for hospitalization and surgery Jan 2018 - Oct 2021

Gyeonggi Science High School Mar 2015 - Feb 2018
School for Gifted Students in Science

JOURNAL PAPERS

[J1] **S. Kim***, I. Kim*, W.T. Yuh*, S. Han, C. Kim, Y.S. Ko, W. Cho, S.B. Park. Augmented prediction of vertebral collapse after osteoporotic vertebral compression fractures through parameter-efficient fine-tuning of biomedical foundation models. *Scientific Reports* **14**, 31820 (2024). (*co-first authors)

RESEARCH EXPERIENCE

Letsur Jan 2024 - Present
Research Intern

Sungkyunkwan University Feb 2016 - Aug 2017
B-ICT Lab
Research Intern (Advisor: Jounghwan Mun, Ahnryul Choi)
Graduation Thesis, Influence of Abnormal Foot Progression Angle on Adolescent Knee.

INVITED TALKS

OVF Collapse Prediction: Model Architecture and Hyperparameters
5th Conference on Digital Convergence Research, Korean Neurosurgical Society Jun 15, 2024

SKILLS

English

- **TOEIC 975/990** (Valid until 2025/07/09)

Algorithm

- **Passed** 2022 Kakao Blind Recruitment Algorithm Code Test