

Hyunsoo Kim

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EDUCATION

Seoul National University Ph.D. Student in Computer Science and Engineering Advisor: Youngki Lee	Seoul, Republic of Korea March 2023 - Present
Seoul National University B.S. Student in Computer Science and Engineering	Seoul, Republic of Korea March 2023 - Present

RESEARCH INTEREST

My research focuses on enhancing Mixed Reality and spatial computing systems. My ultimate dream is to develop a system that seamlessly integrates virtual and physical worlds. Currently, I am involved in two main projects: the first is creating models that simulate realistic multi-modal interactions between virtual and physical objects by incorporating physical properties like friction and mass into virtual settings. The second project aims to improve low-intensity communication within mixed reality, allowing users to merge their spaces with others' while preserving crucial interaction details.

PUBLICATIONS

Maestro: The Analysis-Simulation Integrated Framework for Mixed Reality
Jingyu Lee, *Hyunsoo Kim*, Minjae Kim, Byung-Gon Chun and Youngki Lee
ACM International Conference on Mobile Systems, Applications, and Services 2024 (MobiSys'24)

GRANTS, AWARDS AND SERVICES

Outstanding Teaching Assistant Award in the Applied Science Mentorship Program Seoul National University	Mar. 2024
Student Volunteer Ubicomp'23	Oct. 2023 Cancun, Mexico
Blue Lighthouse Donation Scholarship Huawei Korea (\$1880)	Nov 2022
Talent Cultivation Scholarship Hyunsong Educational & Cultural Foundation (\$18000)	Mar. 2020 - Aug. 2022
Development Fund Common Property Scholarship Boeing Korea (\$2200)	Oct 2020

SKILLS

Programming Languages: C++, Python, Java, C, JavaScript, TypeScript
Frameworks: TensorFlow & TensorFlow Lite, Unreal Engine, Unity
Languages: English (fluent), Korean (fluent), French (competent), Arabic (familiar)

WORK EXPERIENCES

HCS Lab Researcher Intern	Seoul, Republic of Korea March 2022 - Feb 2023
SAP Labs Korea Software Development Intern	Seoul, Republic of Korea Jul 2020 - Aug 2020

TEACHING EXPERIENCES

SNU & Samsung Data Science Course: Machine Learning Lead TA	Apr. 2024
SNU & LG Data Science Course: Machine Learning	Feb. 2024
Software Development Principles and Practices Lead TA: managed 6 TAs, 100 students	Seoul National University Fall Semester 2023