Hail Song

PhD Student · KAIST UVR Lab

Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea

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Education

Korea Advanced Institute of Science and Technology — *Daejeon, Republic of Korea*
Ph.D. Student, Graduate School of Culture Technology — *Mar 2024 - present*
- Advisor: Prof. Woontack Woo

Korea Advanced Institute of Science and Technology — *Daejeon, Republic of Korea*
M.S., Graduate School of Culture Technology — *Mar 2022 - Feb 2024*
- Advisor: Prof. Woontack Woo

Yonsei University — *Seoul, Republic of Korea*
B.S., Mechanical Engineering — *Mar 2015 - Feb 2021*
- Honors - 2nd Semester, 2019

Experiences

Mar 2022 - present	**Research Assitant**, Development of Untact Realistic OpenXR Platform Technology. National Research Project funded by Korean Government. Joint Research Project with KISTI, KAIST, KICT, and KIOM.
May 2020 - Feb 2022	**Computer Vision Engineer (Full-time)**, InBody Co., Ltd.
Oct 2016 - July 2018	**Military Service**, Korean Army, Honorable Discharge

Publications

Published

Hail Song, Boram Yoon, Woojin Cho, Woontack Woo (2023)
RC-SMPL : Real-time Cumulative SMPL-based Avatar Body Generation, 2023 IEEE International Symposium on Mixed and Augmented Reality. **ISMAR 2023**

Seoyoung Kang, **Hail Song**, Boram Yoon, Kangsoo Kim, Woontack Woo (2023)
Effects of Different Facial Blendshape Combinations on Social Presence for Avatar-mediated Mixed Reality Remote Communication, 2023 IEEE International Symposium on Mixed and Augmented Reality. **ISMAR-Adjunct 2023**

Jiyun Park, **Hail Song**, Seungmin Lee, Juhan Nam, Woontack Woo, (2023)
Real-Time Music Tracking System in Wearable AR Display for Music Performance, **HCI Korea 2023**

Research Interests

- Virtual Reality, Computer Vision, Computer Graphics, 3D Avatar Generation

Technical Strengths

- Programming Languages / Frameworks: Python, C, C++, C#, OpenCV, Numpy, Pandas
- Developer Tools : Git, Docker, Unity