

Jeongseok Oh

#201, Dasan Building, 123 Cheomdangwagi-ro, Buk-gu, Gwangju, Republic of Korea
Gwangju Institute of Science and Technology
jeongseok17@gm.gist.ac.kr



Education

M.S & Ph.D Integrated Course Student in Robotics
Gwangju Institute of Science and Technology (GIST)
Advisor: SeungJun Kim

Mar 2021 - Present
Gwangju, Korea

B.S in Electrical Engineering and Computer Science
Gwangju Institute of Science and Technology (GIST)
Advisor: Gunhyuk Park
GPA 4.12/4/5, Magna Cum Laude

Mar 2017 – Feb 2021
Gwangju, Korea

Personal Information

Birth: 29th May 1998, Republic of Korea
Nationality: Korean
Language: First language Korean, Fluent in English

Research Interest

Human-AI Interaction
Human-Computer Interaction
Machine Learning & Deep Learning
Computer Graphics
Virtual Reality & Augmented Reality
Human-Centered AI

Research Experience

Research Assistant (M.S & Ph.D Integrated)
Human-Centered Intelligent Systems Lab, GIST
Advisor: SeungJun Kim

Mar 2021 – Present
Gwangju, Korea

Research Intern
Human-Centered Intelligent Systems Lab, GIST
Advisor: SeungJun Kim

Mar 2020 – Feb 2021
Gwangju, Korea

Research Intern
Computer Graphics Lab, GIST
Advisor: Bochang Moon

Dec 2019 – Feb 2020
Gwangju, Korea

Publications

Oh, J., Kim, S., Kim, S. LumiMood: A Creativity Support Tool for Designing the Mood of a 3D Scene. CHI Conference on Human Factors in Computing Systems (CHI '24) (Accepted)

Hwang, S., **Oh, J.**, Kang, S., Seong, M., Elsharkawy, A., Kim, S. ErgoPulse: Electrifying Your Lower Body With Biomechanical Simulation-based Electrical Muscle Stimulation Haptic System in Virtual Reality. CHI Conference on Human Factors in Computing Systems (CHI '24) (Accepted)

Kim, Y., Hwang, S., **Oh, J.**, and Kim, S. GaitWay: Gait Data-Based VR Locomotion Prediction System Robust to Visual Distraction. CHI 2024 Late-Breaking Work (CHI LBW '24) (Accepted)

Kim, S., **Oh, J.**, Seong, M., Jeon, E., Moon, Y., Kim, S. (2023). Assessing the Impact of AR HUDs and Risk Level on User Experience in Self-Driving Cars: Results from a Realistic Driving Simulation. In Applied Sciences. (Equally contributed 1st author)

Jeon, H. S., **Oh, J. S.**, Seong, E. J., Seong, M.W., Kim, S. J. Surveys of User's Perception Towards Foot Gesture and Exploration of Applicability. In Proceedings of HCI Korea 2022, Vol. 2022.

Jeon, E., Yeo, D., **Oh, J.**, Kim, S. Demand Timing for Driver Situation Awareness in Autonomous Vehicles: An Empirical Study with Wizard-of-Oz Autonomous Driving in the Wild. HCI Korea 2021 Best Paper Award

Teaching Experience

Teaching Assistant Research Method in Human-Computer Interaction	Sep 2022 – Dec 2022
GIST-NIA World Friends ICT Talent Donation	Jul 2019 – Aug 2019

Awards, Honors, Scholarships

GIST-DH Global Startups Idea Contest 3 rd Place	Jun 2022
GIST Best paper Award	Feb 2021
National Excellence Scholarship for Science Engineering Honor Scholarship Awarded for the students with high GPA	Apr 2019 – Feb 2021 Apr 2017, Oct 2017, Apr 2018, Oct 2018
GIST Scholarship B.S./M.S Ph.D Integrated full funding	Mar 2017 - Present

Projects

Research Assistant Development of artificial intelligence-based game simulation technology to support online game content production	2023
Research Assistant Human Restoration and Movement Control Based on NeRF, KETI	2023
Research Assistant GIST Metaverse Research Center: Development of XR-Based Hyper-	2022

Realistic Driving and Walking Metaverse Platform Technology and Contents, RAPA

Research Assistant 2022

Development of Natural User Interface (NUI) to Support Realistic Movement and Interaction within Metaverse Industrial Sites, KETI

Research Assistant 2021

Development of real-time interactive content and platform technology for multiple scenarios based on autonomous vehicles

Research Assistant 2021

System/Interface Design and Verification for On-Vehicle Demonstration of Multi-User NUI Platform, KETI

Research Assistant 2021

Graduate School of Convergence for FLEX Energy funded by Korea Institute of Energy Technology Evaluation and Planning(KETEP) and the Ministry of Trade, Industry & Energy(MOTIE) (GM15671)

Extracurricular Activities

GIST College Newspaper Sep 2018 – Dec 2019
Illustration Designer

GIST Infinite Challenge Project, GIST College Mar 2018 – Dec 2018
Development of Multiplayer Online Volleyball Game
Funded by GIST over \$2,500

GIST Infinite Challenge Project, GIST College Mar 2017 – Dec 2017
Development of Single Player RPG Game
Funded by GIST over \$2,500

References

Professor SeungJun Kim, Ph.D.

Human-Centered Intelligent Systems Laboratory
Gwangju Institute of Science and Technology
(+82) 62-715-5331 | seungjun@gist.ac.kr

Professor Gunhyuk Park, Ph.D.

Haptics Assisted Media Laboratory
Gwanju Institute of Science and Technology
(+82) 62-715-2261 | maharaga@gist.ac.kr