Changsung Lim

Daejeon, Republic of Korea | cslim at kaist.ac.kr | www.cslim.xyz

EDUCATION

KAIST (Korea Advanced Institute of Science and Technology) Daejeon, Republic of Korea
M.S. in Computer Science Expected Feb 2026
Human-Computer Interaction Lab (HCIL), Advisor: Geehyuk Lee
(*Military Service: Sep 2022 - Mar 2024)

Chung-Ang University Seoul, Republic of Korea
B.S. in Computer Science and Engineering Mar 2018 - Feb 2022
Summa Cum Laude (GPA: 4.38/4.50)
Undergraduate Researcher @ Networked Systems Lab (NSL), Advisor: Jeongyeup Paek Dec 2019 - Dec 2021
- Indoor Localization, Time-Sensitive Networking (TSN)

SELECTED PUBLICATIONS (c: conferences, d: demos, p: posters)

[d.2] <u>Changsung Lim</u>, Yohan Yun, Geehyuk Lee. **"Demonstrating TwinSpin: A Virtual Ball in a VR Controller Enabling In-Hand 3DoF Rotation"** (UIST '25 Demos, ⚲ People's Choice Demo Honorable Mention Award)

[c.2] <u>Changsung Lim</u>, Taejun Kim, Geehyuk Lee. **"TwinSpin: A Virtual Ball in a VR Controller Enabling In-Hand 3DoF Rotation"** (UIST '25 Papers - acceptance rate: 22.2%, ⚲ Honorable Mention Award)

[p.2] Sunbum Kim, Kyunghwan Kim, <u>Changsung Lim</u>, Geehyuk Lee. **"Ball20: An In-Hand Near-Spherical 20-Sided Tangible Controller for Diverse Gesture Interaction in AR/VR"** (CHI '25 LBW)

[d.1] <u>Changsung Lim</u>, Sangyoon Lee, Geehyuk Lee. **"DualPad: Exploring Non-Dominant Hand Interaction on Dual-Screen Laptop Touchpads"** (UIST '24 Demos)

[p.1] <u>Changsung Lim</u>*, Jina Kim*, Myung Jin Kim*. **"Thumble: One-Handed 3D Object Manipulation Using a Thimble-Shaped Wearable Device in Virtual Reality"** (UIST '22 Posters)

[c.1] <u>Changsung Lim</u>, Jeongyeup Paek. **"Cost reduction in fingerprint-based indoor localization using generative adversarial network"** (2021 International Conference on Information and Communication Technology Convergence (ICTC))

AWARDS & HONORS

ACM UIST 2025 People's Choice Demo Honorable Mention Award Oct 2025
ACM UIST 2025 Honorable Mention Award Sep 2025
ICT Challenge 2025, Minister of Science and ICT Award (Republic of Korea) (1st out of 206 teams) Aug 2025
- Project: MidasRing (Always-available touchpad interaction with a wearable ring by friction sensing)
Dean's List for four semesters, Chung-Ang University Fall 2018 - Spring 2020

SCHOLARSHIP

Full 4-year Scholarship, Chung-Ang University Mar 2018 - Feb 2022
Merit-based Scholarship, Chung-Ang University Fall 2018 - Spring 2020
Merit-based Scholarship, Chungcheongnam-do 2019

PATENTS

[1] Geehyuk Lee, <u>Changsung Lim</u>, "XR Input Device Enabling Finger-based Rotational Input", Patent App. EP25211321.2 (EP), 2025-182027 (JP), 10-2025-0134247 (KR), 19/371,205 (US), Korea Advanced Institute of Science and Technology, 2025.

SERVICES

CHI 2026 Reviewer Oct 2025

SIGCHI Korea Local Chapter   Daejeon, Republic of Korea
- Student Volunteer   Jun 2025

Republic of Korea Army   Republic of Korea
- Military Service, Sergeant (Honorable Discharge)   Sep 2022 - Mar 2024

TEACHING

CS206 Data Structure, KAIST (Teaching Assistant)   Spring 2025
CS206 Data Structure, KAIST (Teaching Assistant)   Fall 2024

ADDITIONAL

Technical Skills: Unity, Hardware Prototyping, Signal Processing, C/C++, Python, iOS App Development (Swift)

Last Updated: Nov 7, 2025.