

Dong-Uk Kim

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Research Interest

Human-Computer Interaction(HCI), Accessibility, Digital Healthcare

Education

Chung-Ang University, Seoul, South Korea,
BE in Computer Art

Mar 2019 – Aug 2025

- GPA: 3.85/4.5 (93.5%)

Research Experience

University of Ulsan, Ulsan, South Korea

Oct 2025 – Jan 2026

Research Assistant

UHCI lab advised by Donghyeon Ko

Chung-Ang University, Anseong, South Korea

May 2023 – Sep 2025

Undergraduate Research Opportunities Program.

Artifab lab advised by Yoonji Kim

Chung-Ang University, Seoul, South Korea

Jun 2019 – Mar 2020

Research Intern

CT lab (now VILAB) advised by Taekyoung Yoo

Publications

Peer-Reviewed Papers

- [P1] **Dong-Uk Kim**, Yejin Jang, Hye-Young Jo, Yoonji Kim. **Design Guidelines for Pediatric Care Assistive Content to Alleviate Psychological Anxiety in Young Patients**, Journal of the HCI Society of Korea 2025 Vol 20 No.2, *domestic*
- [P2] **Dong-Uk Kim**, Hye-Young Jo, Hankyung Kim, Ryo Suzuki, Seungwoo Je, Yoonji Kim. **TingleTouch: Touch Guidance through Electrical Stimulation in Resistance Training**, Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI'26, acceptance rate: 25.3%)

Posters, Demos, and Extended Abstracts

- [A1] Hye-Young Jo, Chan Hu Wie, Yejin Jang, **Dong-Uk Kim**, Yurim Son, Yoonji Kim. **TrainerTap: Weightlifting Support System Prototype Simulating Personal Trainer's Tactile and Auditory Guidance**. The 36th Annual ACM Symposium on User Interface Software and Technology (UIST'23 Adjunct, acceptance rate: 21.0%).

Work In Progress

- [W1] **Dong-Uk Kim**, Song Min Lee, Yoonji Kim, Yong Ung Kwon. **Phase-Specific Voluntary Motor Responses to NMES-Based Phase Instruction During Resistance Training**

Work Experience

Republic of Korea Air Force Headquarter
Cultural Content Designer(Technical Sergeant)
Public Affairs Office

Jun 2020 – Sep 2022

Project Experience

Development of Core Technologies for a General-Purpose Humanoid Robot to Enable Unmanned Welding Operations in Confined Spaces at Shipyards @University of Ulsan <i>Robotics Software Engineer</i>	Jul 2025 – Jan 2026
Development of an Integrated Welding Defect Detection System @University of Ulsan & Hyundai Heavy Industry <i>Hardware Designer & Engineer</i>	Jul 2025 – Jan 2026
Rubik's WCA World Championship 2023 @Korea Cube Culture United <i>Senior Designer</i>	Jun 2021 – Oct 2023
Air Force Band Annual Concert @ROK Air Force Headquarter <i>Contents Designer</i>	Apr 2022 – Jun 2022
8th National Pilot Contest in ADEX @ROK Air Force Headquarter <i>Contents Designer</i>	Jun 2021 – Oct 2021

Volunteer Experience

Student Volunteer. ISEA 2019	2019
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Scholarships

[S1]	Chung-Ang University. Da Vinci Scholarship. Full tuition of 8 semesters.
[S2]	Chung-Ang University. CAU Future Design Scholarship. Spring, 2024. Total: KRW 1,400,000 (about \$1,000).
[S3]	CAU Alumni Association. Scholarship for CAU Alumni Association. 2019. Total: KRW 1,000,000 (about \$800).
[S4]	Korea Student Aid Foundation. National Scholarship. 2020, 2023, 2025. Total: KRW 11,509,000 (about \$9,590).

Skills

Design	Photoshop, Illustrator, Figma, Premiere, After Effects, Maya
Programming	Python, C#, C++, HTML, CSS, Javascript
Prototyping	Jetson, Raspberry Pi, Arduino, 3D-printing, Fusion 360
Statistic	SPSS, Tableau
Robotics	ROS
Research	User interview, Focus group interview, Participatory workshop