Bocheon Gim

Department of AI Convergence
College of Information and Computing
Gwangju Institute of Science and Technology
gimkenny1999@gm.gist.ac.kr

EDUCATION

M.S. In **Intelligent Robotics** — **Mar 2024 - Present**
Gwangju Institute of Science and Technology (GIST) — Gwangju, Korea
Advisor: Prof. SeungJun Kim

B.S. in **Electrical Engineering and Computer Science** — **Mar 2018 - Feb 2024**
Gwangju Institute of Science and Technology (GIST) — Gwangju, Korea
Thesis: Utilizing Real-Time Video Matting to create a Scalable System for Real Hand Visualization and Interaction within Augmented Virtuality
Advisor: Prof. Jeany Son & Prof. SeungJun Kim

EXPERIENCE

Research Assistant
Human-Centered Intelligent Systems Lab. (led by Prof. SeungJun Kim) — **Mar 2024 - Present**
Gwangju Institute of Science and Technology (GIST) — Gwangju, Korea

Research Intern
Human-Centered Intelligent Systems Lab. (led by Prof. SeungJun Kim) — **Jul 2022 - Feb 2024**
Gwangju Institute of Science and Technology (GIST) — Gwangju, Korea

English Translator & Training Systems Administrator
Republic of Korea Airforce (ROKAF) — **Jun 2020 - Feb 2022**
Completed Obligation at Staff Sgt. — Gwangju, Korea

HAFS Camp Senior Teacher (Winter)
Hankuk Academy of Foreign Studies — **Dec 2019 - Feb 2020**
Main Teacher of West-Point Class — Gwangju, Korea

RESEARCH INTERESTS

- Human Computer Interaction
- VR / AR / XR
- Multisensory Integration & Manipulation
- Automotive Interfaces

PUBLICATIONS

[P3] TeleHopper: Simulating a Jumping Sensation as Proprioceptive Feedback for Teleportation in Virtual Reality via Electrical Muscle Stimulation
Juwon Um, **Bocheon Gim**, Seongjun Kang, Yumin Kang, Eunki Jeon, SeungJun Kim
ACM CHI 2025 Late-breaking Work [Accepted]

[P2] I Want to Break Free: Enabling User-Applied Active Locomotion in In-Car VR through Contextual Cues
Bocheon Gim, Seokhyun Hwang, Seongjun Kang, Gwangbin Kim, Dohyeon Yeo, and SeungJun Kim
ACM CHI 2025 [Accepted]

[P1] Curving the Virtual Route: Applying Redirected Steering Gains for Active Locomotion in In-Car VR
Bocheon Gim, Seongjun Kang, Gwangbin Kim, Dohyeon Yeo, Seokhyun Hwang, and SeungJun Kim
ACM CHI 2024 Late-breaking Work

FUNDED PROJECTS

- **HCI + AI for Human-Centered Physical System Design (AI for HCI)**, GIST-MIT Research Collaboration Grant, GIST Research Project (2024-2025)
- **SpaceTop: Spatial Computing HCI Technology for Everywhere XR Productivity Workstations**, University ICT Research Center (ITRC) Program, IITP/MSIT (2024-2031)
- **Inter-University Alliance for Cultivating R&D Experts in Future Vehicular Technologies (I4FT)**, The Competency Development Program for Industry Specialist, KIAT/MOTIE (2022-2026)
- **Development of Natural User Interface (NUI) to Support Realistic Movement and Interaction within Metaverse Industrial Sites**, KETI (2022)

SKILLS

- Linguistic: Korean (Native), English (Native – iBT TOEFL (120/120))
- Programming Languages: Python, C, C#, C++, Java, Javascript, HTML/CSS, React Native, R
- Software & Tools: Unity, Unreal Engine, SPSS, MATLAB, JASP
- Hardware: Arduino, Raspberry Pi
- Visualization & Modeling : Blender, Final Cut Pro, Adobe Illustrator

ACADEMIC SERVICES

- **Peer Review** (12 total, 3 Special Recognitions for Outstanding Reviews): CHI 2025 Late-breaking Work (2 Special Recognitions), CHI PLAY 2025 Papers (1 Special Recognition), DIS 2025 Papers, MobileHCI 2025 Papers, IMWUT 2025 February Papers, DIS 2025 WIP, IMS 2025 WIP

- **Student Volunteering** : CHI 2025