

Jaesung Han

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EDUCATION

Kyungpook National University (Daegu, Korea)	Mar. 2020 – Present
<i>Bachelor Student, School of Computer Science and Engineering</i>	<i>GPA: 4.23/4.3</i>
The University of Suwon (Hwaseong, Korea)	Mar. 2018 – Feb. 2020
<i>Department of Information and Communication Engineering</i>	<i>GPA: 4.3/4.5</i>

RESEARCH INTERESTS

Artificial Intelligence, Computer Vision, Human-Computer Interaction

PUBLICATIONS(DOMESTIC)

Jaesung Han, Minwook Kim, Yongjin An, Jinho Han, Jaesoo Kim, Minhee Kim, "SeeHealth: YOLO transfer learning-based self-examination kit result confirmation IoT device for visually impaired", JDSC, Jun. 2023

PROJECTS

Human Following Robots <i>Cuda, Jetson Orin Nano, Zed camera, Python, YOLO-v8, Vscod</i>	Jul. 2023 – Aug. 2023
<ul style="list-style-type: none"> Developed this project during my time as a research intern at ETRI Robot IT Convergence. The robot uses a ZED camera to capture images and depth maps. It performs person detection using YOLO-V8 and obtains the real-world coordinates of a specific individual, then follows that person. 	
SeeHealth <i>Raspberry Pi, 3D Printing, Google Cloud API, Python, Git, Bash Shell, YOLO-v8</i>	Mar. 2023 – Jun. 2023
<ul style="list-style-type: none"> developed an IoT device that provides voice guidance on COVID-19 self-examination kit results for visually impaired. carried out the project as a team leader in the Capstone Design class at Kyungpook National University. When a visually impaired person places an self-examination kit on a device, the device takes a picture, reads the result, and outputs it as a voice. 	

HONORS AND AWARDS

Bronze Prize, undergraduate thesis award, Journal of Digital Contents Society(JDSC)	Jul. 2023
Scholarship for Academic Excellence, Kyungpook National University	2020 – 2023
Scholarship for Academic Excellence, The University of Suwon	2018 – 2019

SKILLS

Programming: C/C++, Java, Python, cmake, Bash, GLSL, Keras, L^AT_EX
Tools: Git, Linux/Unix Systems, Vim, VS Code, Eclipse

EXPERIENCE

Robot IT Convergence, ETRI <i>Research Intern</i>	Jul. 2023 – Aug. 2023
Served as an assistant to train lightweight object detection models for Human Following robot.	
System Programming class, KNU <i>Teaching assistant</i>	Mar. 2023 – Jun. 2023
Taught students how to write programs at the Linux system call level.	

LANGUAGE SKILLS

TEPS | 331
 High Intermediate Level of English Proficiency (Level 2)