

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", JDCS, Jun. 2023

PROJECTS

AInterview <i>React, Vite, Spring, Transformer AI model, OpenAI API</i>	Sep. 2023 - current
<ul style="list-style-type: none"> AInterview is an website where AI Provides Anticipated Interview Questions and Answers. Responsible for Front-end, I am using React and Figma to create the website. 	
Eyeboard <i>Linux, Intel OpenVINO, Open-model-zoo, C++, OpenCV</i>	Oct. 2023
<ul style="list-style-type: none"> Eyeboard is a program that could help you to type keyboard using your eyes. Developed by myself as a personal project, applied gaze-estimation model supported by Intel open-model-zoo. 	
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"> Human-following robots can be applied in various industries such as librarian robots, logistics robots. Trained a lightweight detection model using YOLO v8 nano and implemented detection and tracking algorithms. Utilized ROS for robot control. 	
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"> SeeHealth is an IoT device that provides voice guidance on self-examination kit results for visually impaired. Carried out the project as a team leader in the Capstone Design class at Kyungpook National University. Was responsible for data augmentation, object detection model training, developed a full scenario for the service. 	

HONORS AND AWARDS

Bronze Prize, undergraduate thesis award, Journal of Digital Contents Society(JDCS)	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.	

CERTIFICATIONS

TEPS | 331 **TOEIC** | 770 **Industrial Engineer Information Processing**