YEJI WOO 🍊

📞 +82 10-5695-1288 ◇ ✉ yeji.woo97@gmail.com ◇ ⌨ github.com/cuza22 ◇ 📍 Seoul, Korea

EDUCATION

M.S. in Computer Science, Hanyang University   (Expected) Sep. 2021 – Aug. 2023
- Advisor: Kwanguk (Kenny) Kim, Ph.D.
- Relevant Coursework: Human-computer interaction and data science.

B.A. in Economics & Finance, Hanyang University   Mar. 2016 – Aug. 2021
- Relevant Coursework: Economic statistics, mathematical economics, and econometrics.

Major in Japanese & minor in English, Anyang Foreign Language High School   Mar. 2014 – Feb. 2016

SKILLS

Technical Skills   General AI model implementation(Python) and App development(JAVA, Kotlin, and Swift)
Language   Korean(Native), English(Fluent), and Japanese(Advanced)

EXPERIENCE

Undergraduate research student   Dec. 2020 – Aug. 2021
HCI Lab, Hanyang University   *Seoul, Korea*

- The whole time-series sensor data analysis procedure for transportation mode detection with wheelchairs – recruitment, data collection, preprocessing, model implementation, etc.
- Experienced the whole in-person data acquirement procedure

Research assistant internship   Jun. 2020 – Aug. 2020
Consulting department, H&Consulting   *Seoul, Korea*

- Conducted statistical analysis on public institution data to support decision making process (Game Rating and Administration Committee, Korea Creative Content Agency, etc.)
- Enhanced report writing and presentation skills.

PROJECTS

Human activity recognition model implementation
- Developed a generalized deep learning activity recognition models to sensor data of smart devices

Smart device data collection application development
- Developed data collection apps for different modalities. (iPhone: Github link) (WearOS: Github link)

Simple iPhone indoor positioning system with UWB chip
- Utilized UWB chipset supported iPhone with DWS3000 of Qurvo and Nearby Interaction framework.
- Created an online documentation for the usage of new devices. (Github link)

PUBLICATIONS

Detecting Handicapped Activities of Pedestrians with Mobile Devices
Yeji Woo, Sungjin Hwang, Hansung Kim, Jaehyuk Cha, Kwanguk (Kenny) Kim
Paper in preparation

Low-Speed Transportation Mode Detection for People with Mobility Disabilities: A Pilot Study
Yeji Woo, Sungjin Hwang, Jiwoong Heo, Hansung Kim, Jucheol Moon, Jaehyuk Cha, Kwanguk (Kenny) Kim
Korea Computer Graphics Society (KCGS), 2022

A Pilot Study on Indoor Transporation Mode Detection for People with Mobility Disabilities using Smartphone Sensors
Yeji Woo, Sungjin Hwang, Jiwoong Heo, Hansung Kim, Jucheol Moon, Jaehyuk Cha, Kwanguk (Kenny) Kim
HCI Korea, 2022

TEACHING EXPERIENCE

Teaching Assistance, Human-Computer Interaction, Hanyang University	Spring 2022, Spring 2023
Teaching Assistance, Discrete Mathematics, Hanyang University	Fall 2022
Teaching Assistance, Computer Security, Hanyang University	Fall 2021

EXTRACURRICULUM ACTIVITIES

RPG Game Club – Club leader	Dec. 2018 – Aug. 2021
Stockwars – Finance & Investment Society	Mar. 2017 – Aug. 2018