Min-Je Kim

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EDUCATION

· **Korea Advanced Institute of Science and Technology** Daejeon, South Korea
School of Computing
M.S – [Expected February 2025]

· **Sungkyunkwan University** Seoul, South Korea
Department of Computer Science and Engineering
B.S – February 2023
· **GPA:** 4.09/4.5 **Major GPA:** 4.29/4.5
· **Honors** Scholarship of Samsung (Spring 2019, Spring 2020, Autumn 2020)
Scholarship of Academic Excellence (Spring 2021, Autumn 2021)
· **Awards:** Won 1st prize of 2021 KMU Autonomous Car Driving competition
Won 2nd prize of 2019 PAMS University self-driving car contest.

SKILLS

Programming Languages: C, C++, Python, Java, Kotlin, HTML, CSS
Technologies/Environment: Windows, Linux, GDB, Eclipse, Visual Studio Code, PyCharm, Android Studio, Putty, ns-3 network simulator
Hardware: Raspberry Pi, Jetson, Smartphone

Publications

- Yoseop (Joseph) Ahn, Minje Kim, Jeongah Lee, Yiwen Shen, and Jaehoon (Paul) Jeong, **IoT Edge-Cloud: An Internet-of-Things Edge-Empowered Cloud System for Device Management in Smart Spaces,** In IEEE Network, 2023.
- Minje Kim, Tae-Kyun Kim, **BiTT: Bi-directional Texture Reconstruction of Interacting Two Hands from a Single Image,** In CVPR, 2024.

EXPERIENCE

nTels Seoul, South Korea
Industry-University Cooperation Project [04.2020] – [03.2021]

- Team Leader
- Revised development technique (SmartPDR (Smartphone Pedestrian Dead-Reckoning), DNSNA, SALA, CoAP) and integrated into IoT Cloud system.
- Developed IoT Cloud system based on HTTP protocol and CoAP protocol.
- Improved DNSNA mechanism, SmartPDR algorithm.

Intensive Industry-University R&D Project [03.2021] – [12.2021]

- Continuous work of nTels internship. Main Development Manager.
- Developed PF-IPS based on smartphone's angle, acceleration for real-time tracking.
- Integrated revised PF-IPS system into IoT Cloud System.
- Achieved error 0.78m of IoT positioning error using Improved PF-IPS.
- Copyright Registration of Indoor Localization Software Algorithm on Korea Copyright Association
- Writing a paper of "Internet-of-Things Cloud Systems for Computing Device Management in Smart Places". Currently on revision work.

Teaching Assistant of Computational Thinking and Software Coding [02.2021] – [06.2021]

Internship IRIS LAB [06.2022] – [01.2023]

- Working on Intelligent & Resource-efficient & Image Processing & System Design Lab as undergraduate research student
- Research work on 3D Point Cloud Model Compression based on Knowledge Distillation with Hyundai KEFICO
- Inventing new Knowledge Distillation adaptive for Iterative Bi-PointFlowNet model.

Master Student KCVL LAB

- Research on Hand Reconstruction

Teaching Assistant of Artificial Intelligence and Machine Learning [03.2023] – [07.2023]
Teaching Assistant of Machine Learning for Computer Vision [09.2023] – [12.2023]

EXTERNAL ACTIVITIES

Activities

- Participated on Hackathon campus self-driving car coding contest
- Belonging to an autonomous driving study group (SCAR) [04.2019]-[Current]
    - Minister of Education
    - Participated on 2019 PAMS University self-driving car contest
    - Participated on 2021 KMU University Autonomous Car Driving Contest
    - Co-op project (Character recognition suitable for automotive environments)
    - Studied Computer Vision at Cousera study project(University of Toronto)
    - Big-Data processing on crawling Instagram posts to catch people’s traffic usage
- Invented Various AI Models(Food Detection , Capturing focusing spots of human attention, Object Segmentation, …)