

# Min-Je Kim

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## EDUCATION

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Sungkyunkwan University **Seoul, South Korea**

Bachelor of Software Expected [02.2023]

· **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 1<sup>st</sup> prize of 2021 KMU Autonomous Car Driving competition

Won 2<sup>nd</sup> prize of 2019 PAMS University self-driving car contest.

· **Relevant Coursework:** Algorithms, Data Structure, Problem Solving, Programming Language, System Programming, Computer Architecture, Open-Source Software, Introduction of Machine Learning, Introduction of AI, Software Engineering, Introduction of Computer Vision, Web Programming Lab. Introduction of Deep Neural Network, Theory of Machine Learning, Network Project

## SKILLS

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**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

## EXPERIENCE

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**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]

- Conducting hands-on training on computing algorithms and Python coding to undergraduate students

***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.

## **EXTERNAL ACTIVITIES**

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### **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, ...)