Hyungjun Lee

Github : https://github.com/rhtm02
Google Scholar : https://scholar.google.com/citations?user=w36lFrUAAAAJ&hl=en&authuser=1
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EDUCATION

- **Kookmin University** — Seoul, Korea
  Graduate School of Automotive Engineering Master's degree; GPA 4.25/4.5 — *Mar. 2021 – Feb. 2023 (Graduate Date)*
  Intelligent Mobility Lab; Advisor : Sejoon Lim

- **Kookmin University** — Seoul, Korea
  Department of Automobile and IT Convergence Bachelor's degree; GPA 4.02/4.5 — *Mar. 2016 – Feb. 2021*

SKILLS SUMMARY

- **Languages**: C++, Python, C, Unix scripting, CUDA
- **Tools**: PyTorch, Tensorflow, Docker, GIT, Matlab/Simulink

RESEARCH INTERESTS

- **Artificial Intelligence**: 3D Vision using Point cloud, Representation Learning, Self-Supervised Learning, Neural Rendering
- **Model Compression**: Pruning, Quantization, Knowledge Distillation

But Not Limited To.

PUBLICATION

- **PU-MFA : Point Cloud Up-sampling via Multi-scale Features Attention**
  Arxiv, 2022.
  Hyungjun Lee *and Sejoon Lim*

- **BYEL : Bootstrap Your Emotion Latent**
  European Conference on Computer Vision Workshop (ECCVW), 2022.
  Hyungjun Lee, *Hwangyu Lim, and Sejoon Lim*

RESEARCH PROJECTS

- **Implementation an Embedding of Start Stop Coasting Control Logic** — Feb. 2020 - Jun. 2022
  Hyundai Motors, Republic of Korea
  - Compressed Neural Network using Pruning and Quantization
  - Ported Compressed Neural Network to ECU of real vehicle using Simulink

- **Parallel A* Algorithm Development Using GPU** — Oct. 2020 - Mar. 2021
  Hyundai Autoever, Republic of Korea
  - Implemented Parallel A* Algorithm using CUDA

COMPETITION

- **10th rank, 4th Workshop and Competition on Affective Behavior Analysis in-the-wild** — Jul. 2022
  European Conference on Computer Vision 2022; Team : IMLAB (Leader)

- **1st Prize, Self-driving Car Racing Section of Pangyo Autonomous Motor Show** — Dec. 2019
  Gyeonggi-do; Team : KUUVe (LiDAR group Leader)

- **3rd Prize, Self-driving Car Racing Section of International Student Car Competition** — Sep. 2019
  Korea Transportation Safety Authority; Team : KUUVe (LiDAR group Leader)

- **2nd Prize, Self-driving Car Racing Section of Pangyo Autonomous Motor Show** — Nov. 2018
  Gyeonggi-do; Team : KUUVe (LiDAR group Leader)