JUNGSOO LEE

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EDUCATION

Korea Advanced Institute of Science and Technology — Jeongja, South Korea
Master's and PhD Integrated Course (Graduate School of AI) — Mar 2022 - Feb 2024
Master's Degree (Graduate School of AI) — Mar 2020 - Feb 2022

Korea University — Seoul, South Korea
Bachelor's Degree (Industrial Engineering & Computer Science) — Mar 2014 - Feb 2020

WORK & RESEARCH EXPERIENCE

Qualcomm Korea — April 2023 - Present
Senior Research Engineer — Yongsan, South Korea

- Proposed Generalized Contrastive Learning loss function for improving multimodal retrieval performance. Accepted to **NeurIPS** 2025.
- Learning personal concept in open-vocabulary semantic segmentation. Accepted to **ICCV** 2025.
- Enhancing edge model performance through knowledge distillation using well-generalized representations of large vision foundation models (e.g., DINOv2). Accepted to **CVPR** 2025.
- Proposed a noise-robust loss function for test-time adaptation in on-device learning. Accepted to **ICCV** 2023.

Korea Advanced Institute of Science and Technology (KAIST) — Mar 2020 - Feb 2024
Master's & PhD Student — Jeongja, South Korea

- Addressed dataset bias with disentangled feature augmentation and a bias-amplified auxiliary model. Accepted to **NeurIPS** 2021, Oral and **AAAI** 2023, Oral.
- Improved out-of-distribution detection in urban-scene segmentation by standardizing imbalanced prediction values inherent in semantic segmentation. Accepted to **ICCV** 2021, Oral.

SELECTED PUBLICATIONS

(Only first-author papers listed. Full list available at Google Scholar)

- (**NeurIPS** 2025) Generalized Contrastive Learning for Universal Multimodal Retrieval. **Jungsoo Lee**, Janghoon Cho, Hyojin Park, Munawar Hayat, Kyuwoong Hwang, Fatih Porikli, Sungha Choi.
- (**ICCV** 2025) Understanding Personal Concept in Open-Vocabulary Semantic Segmentation. Sunghyun Park*, **Jungsoo Lee***, Shubhankar Borse, Munawar Hayat, Sungha Choi, Kyuwoong Hwang, Fatih Porikli.
- (**CVPR** 2025) CustomKD: Customizing Large Vision Foundation for Edge Model Improvement via Knowledge Distillation. **Jungsoo Lee**, Debasmit Das, Munawar Hayat, Sungha Choi, Kyuwoong Hwang, Fatih Porikli.
- (**ICCV** 2023) Towards Open-set Test-Time Adaptation Utilizing the Wisdom of Crowds in Entropy Minimization. **Jungsoo Lee**, Debasmit Das, Jaegul Choo, and Sungha Choi.
- (**AAAI** 2023, Oral) Revisiting the Importance of Amplifying Bias for Debiasing. **Jungsoo Lee***, Jeonghoon Park*, Daeyoung Kim*, Juyoung Lee, Edward Choi, and Jaegul Choo.
- (**NeurIPS** 2021, Oral) Learning Debiased Representation via Disentangled Feature Augmentation. **Jungsoo Lee***, Eungyeup Kim*, Juyoung Lee, Jihyeon Lee, and Jaegul Choo.
- (**ICCV** 2021, Oral) Standardized Max Logit: A Simple yet Effective Approach for Identifying Unexpected Road Obstacles in Urban-scene Segmentation. Sanghun Jung*, **Jungsoo Lee***, Daehoon Gwak, Sungha Choi, and Jaegul Choo.

* indicates equal contribution.

LANGUAGE PROFICIENCY

Fluent in **English** and Native in **Korean**

SKILLS

Expert in **Python** and **Pytorch**. Familiar with JavaScript, Flask, HTML/CSS.