

JUNGSOO LEE

E-mail: bebeto@kaist.ac.kr

Website: <https://leebebeto.github.io/>

Github: <https://github.com/leebebeto>

RESEARCH INTERESTS

I am mainly interested in addressing **robustness** and **domain shifts** in computer vision. I am recently interested in **test-time adaptation** and **on-device learning**.

EDUCATION

Korea Advanced Institute of Science and Technology *March 2022 - Feb. 2024 (Expected)*
Master's and PhD Integrated Course *Jeongja, Korea*

- Graduate School of AI
- Advisor: Professor Jaegul Choo

Korea Advanced Institute of Science and Technology *March 2020 - Feb. 2022*
Master's Degree *Jeongja, Korea*

- Graduate School of AI
- Total GPA of 3.85 / 4.3
- Advisor: Professor Jaegul Choo

Korea University *Mar 2014 - Feb 2020*
Bachelor's Degree *Seoul, Korea*

- Bachelor of Industrial Management and Engineering
- Bachelor of Computer Science and Engineering
- Total GPA of 3.78 / 4.5

The Hong Kong University of Science and Technology *Jan 2019 - May 2019*
Exchange Program *Hong Kong, SAR*

PUBLICATION

[c.11] Towards Open-set Test-Time Adaptation Utilizing the Wisdom of Crowds in Entropy Minimization.

Jungsoo Lee, Debasmit Das, Jaegul Choo, and Sungha Choi.
(**ICCV 2023**).

[c.10] CAFA: Class-Aware Feature Alignment for Test-Time Adaptation.

Sanghun Jung, **Jungsoo Lee**, Nanhee Kim, Amirreza Shaban, Byron Boots, and Jaegul Choo.
(**ICCV 2023**).

[c.9] Deep Imbalanced Time-series Forecasting via Local Discrepancy Density.

Junwoo Park, **Jungsoo Lee**, Youngin Cho, Woncheol Shin, Dongmin Kim, Jaegul Choo, and Edward Choi.
(**ECML/PKDD 2023**).

[c.8] EcoTTA: Memory-Efficient Continual Test-time Adaptation via Self-distilled Regularization.

Junha Song, **Jungsoo Lee**, In So Kweon, and Sungha Choi.
(**CVPR 2023**).

[c.7] Revisiting the Importance of Amplifying Bias for Debiasing.

Jungsoo Lee*, Jeonghoon Park*, Daeyoung Kim*, Juyoung Lee, Edward Choi, and Jaegul Choo.
(**AAAI 2023**, accepted as Oral presentation).

[c.6] DASH: Visual Analytics for Debiasing Image Classification via User-Driven Synthetic Data Augmentation.

Bum Chul Kwon, **Jungsoo Lee**, Chaeyeon Chung, Nyoungwoo Lee, Ho-jin Choi, and Jaegul Choo.
(**EuroVis 2022**, Short paper, Honorable Mention Award).

[c.5] Improving Face Recognition with Large Age Gaps by Learning to Distinguish Children.

Jungsoo Lee*, Jooyeol Yun*, Sunghyun Park, Yonggyu Kim, and Jaegul Choo.
(BMVC 2021).

[c.4] Learning Debaised Representation via Disentangled Feature Augmentation.

Jungsoo Lee*, Eungyeup Kim*, Juyoung Lee, Jihyeon Lee, and Jaegul Choo.
(NeurIPS 2021, accepted as Oral presentation, 0.6% acceptance rate).

[c.3] 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.
(ICCV 2021, accepted as Oral presentation, 3% acceptance rate).

[c.2] Understanding Human-side Impact of Sequencing Images in Batch Labeling for Subjective Tasks.
Chaeyeon Chung*, **Jungsoo Lee***, Kyungmin Park, Junsoo Lee, Minjae Kim, Mookyoung Song, Yeonwoo Kim, Jaegul Choo, and Sungsoo Ray Hong.

(CSCW 2021).

[c.1] Love in Lyrics: An Exploration of Supporting Textual Manifestation of Affection in Social Messaging.

Taewook Kim, **Jungsoo Lee**, Zhenhui Peng, and Xiaojuan Ma.
(CSCW 2019).

* indicates equal contribution.

EMPLOYMENT

Qualcomm Korea

Machine Learning Research Engineer

April. 2023 - Present
Yongsan, Korea

Qualcomm Korea

AI Research Intern

Oct. 2022 - April. 2023
Yongsan, Korea

Kakao Enterprise, Vision AI

AI Research Intern

Aug. 2021 - Aug. 2022
Pangyo, Korea

NAVER WEBTOON Ltd.

Research Engineer Intern

Jan. 2020 - Feb. 2020
Pangyo, Korea

Auxiliary Police

Served military service as human resources

May. 2015 - Feb. 2017
Ilsan, Korea

PROGRAMMING SKILLS

Proficient Python, Pytorch

Familiar HTML, JavaScript

AWARDS

KAIST AI Workshop, Best Poster Awards

Standardized Max Logits: A Simple yet Effective Approach for Identifying Unexpected Road Obstacles

Jan. 2022

INVITED TALKS

KAIST AI Workshop, Best Poster Awards

Standardized Max Logits: A Simple yet Effective Approach for Identifying Unexpected Road Obstacles

Jan. 2022

Korean AI Association

Learning Debaised Representation via Disentangled Feature Augmentation

Nov. 2021

LANGUAGE PROFICIENCY

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

- **TOEFL IBT:** 110 (R: 27, L:28, S: 28, W: 27) Expired at August 10, 2021.
- **GRE:** Verbal: 154 (65%), Quantitative: 170 (97%), Writing: 4.0 (60%)