JUNGSOO LEE

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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 - Present*
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.7] Revisiting the Importance of Amplifying Bias for Debiasing.
Jungsoo Lee*, Jeonghoon Park*, Daeyoung Kim*, Juyoung Lee, Edward Choi, and Jaegul Choo.
(**AAAI**, accepted as Oral presentation, 2023).

[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 Debiased 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, Mookyung 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.

UNDER REVIEW

[c.2] EcoTTA: Memory-Efficient Continual Test-time Adaptation via Self-distilled Regularization.
Junha Song, **Jungsoo Lee**, In So Kweon, Sungha Choi
(Under Review).

[c.1] CAFA: Class-Aware Feature Alignment for Test-Time Adaptation.
Sanghun Jung, **Jungsoo Lee**, Nanhee Kim, Amirreza Shaban, Byron Boots, Jaegul Choo
(Under Review).

EMPLOYMENT

Qualcomm Korea *Oct. 2022 - Present*
AI Research Intern *Yongsan, Korea*

Kakao Enterprise, Vision AI *Aug. 2021 - Aug. 2022*
AI Research Intern *Pangyo, Korea*

NAVER WEBTOON Ltd. *Jan. 2020 - Feb. 2020*
Research Engineer Intern *Pangyo, Korea*

Auxiliary Police *May. 2015 - Feb. 2017*
Served military service as human resources *Ilsan, Korea*

PROGRAMMING SKILLS

Proficient Python, HTML, CSS, JavaScript

Familiar R, SAS

AWARDS

KAIST AI Workshop, Best Poster Awards *Jan. 2022*
Standardized Max Logits: A Simple yet Effective Approach for Identifying Unexpected Road Obstacles

INVITED TALKS

KAIST AI Workshop, Best Poster Awards *Jan. 2022*
Standardized Max Logits: A Simple yet Effective Approach for Identifying Unexpected Road Obstacles

Korean AI Association *Nov. 2021*
Learning Debiased Representation via Disentangled Feature Augmentation

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%)