

MYUNGSEO SONG

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EDUCATION

Seoul National University

Mar 2018 - Feb 2026

B.S. in Computer Science and Engineering

Seoul, Korea

* Includes three-year mandatory military service in South Korea.

PUBLICATIONS

(Equal contribution is denoted by “*”).

- [1] **Myungseo Song**, Jin-Woo Park, Jong-Seok Lee, “Exploring the Camera Bias of Person Re-identification,” *International Conference on Learning Representations (ICLR)*, 2025. ([Spotlight paper](#), [Accept. rate < 5%](#))
- [2] **Myungseo Song**, Jinyoung Choi, Bohyung Han, “A Training-Free Defense Framework for Robust Learned Image Compression,” *arXiv Preprint*, 2024.
- [3] *Seongyeon Park, ***Myungseo Song**, Bohyung Kim, Tae-Hyun Oh, “Unsupervised Pre-training for Data-Efficient Text-to-Speech on Low Resource Languages,” *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2023.
- [4] ***Myungseo Song**, *Seongyeon Park, Bohyung Kim, Tae-Hyun Oh, “Speech De-warping: Unsupervised Pre-training for Data-Efficient Text-to-Speech on Low Resource Languages,” *International Conference on Machine Learning (ICML) Workshop on Machine Learning for Audio Synthesis*, 2022. ([Oral presentation](#))
- [5] **Myungseo Song**, Jinyoung Choi, Bohyung Han, “Variable-Rate Deep Image Compression through Spatially-Adaptive Feature Transform,” *IEEE/CVF International Conference on Computer Vision (ICCV)*, 2021.

RESEARCH EXPERIENCE

Lead Machine Learning Researcher

Nov 2023 - May 2025

mAy-I, Inc.

Seoul, Korea

- Researched spurious correlations, domain generalization, and unsupervised domain adaptation of person re-identification (ICLR 2025 Spotlight).
- Improved person re-identification performance by 29.2% mAP in real-world settings and built large-scale datasets with over 10,000 individuals.
- Promoted within one year to lead research team of five members, directing projects on object detection, multi-camera tracking, and gender/age estimation for CCTV-based visitor analytics product.

Machine Learning Researcher

Oct 2021 - Oct 2023

CNAI, Inc.

Seoul, Korea

- Proposed self-supervised learning and data augmentation methods for label-efficient text-to-speech (TTS) (ICMLW 2022 Oral, ICASSP 2023).
- Developed audio-driven talking face generation models and built large-scale speech video datasets.
- Developed monocular 3D object detection models and built large-scale 3D food detection datasets.

Undergraduate Researcher

Computer Vision Lab at Seoul National University

Sep 2020 - Sep 2021

Seoul, Korea

- Advisor: Prof. Bohyung Han.
- Proposed variable-rate learned image compression framework conditioned on per-pixel importance map, enabling training-free task-aware compression (ICCV 2021).
- Analyzed adversarial robustness of learned image compression and proposed training-free defense method (preprint).

Research Intern

NCSoft, Inc.

Jul 2020 - Aug 2020

Seongnam, Korea

- Developed few-shot, unsupervised image-to-image translation models.

Undergraduate Researcher

Data Mining Lab at Seoul National University

Mar 2020 - Jun 2020

Seoul, Korea

- Advisor: Prof. U Kang.
- Developed multi-behavior sequential recommender system for E-commerce.

SCHOLARSHIPS

Youlchon AI Young Researcher (\$6000), Youlchon Foundation & SNU AI Institute

Aug 2025

Jung-Hun Scholarship, Jung-Hun Foundation

Apr 2019

SKILLS

Programming Languages: Python, Java, C/C++**Deep Learning Frameworks:** PyTorch, TensorFlow**Libraries & Tools:** Numpy, OpenCV, Open3D, Pandas, Git, Docker**Languages:** English (Fluent, TOEFL score: 101), Korean (Native)**ACADEMIC SERVICE**

Reviewer

- Journal: TIP (2023)
- Conference: ICLR (2025), NeurIPS (2024, 2025), WACV (2023)