

KAI KATSUMATA

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PUBLICATIONS <https://scholar.google.co.jp/citations?user=qxle99gaaaaj>

Peer-reviewed

- K. Katsumata *et al.*, “Revisiting Latent Space of GAN Inversion for Real Image Editing,” *WACV*, 2024.
- K. Katsumata *et al.*, “Soft Curriculum for Learning Conditional GANs with Noisy-Labeled and Uncurated Unlabeled Data,” *WACV*, 2024.
- K. Katsumata *et al.*, “Label Augmentation as Inter-class Data Augmentation for Conditional Image Synthesis with Imbalanced Data” *WACV*, 2024.
- K. Katsumata *et al.*, “Balancing Reconstruction and Editing Quality of GAN Inversion for Real Image Editing with StyleGAN Prior Latent Space,” In *the AI for Content Creation workshop at CVPR*, 2023.
- K. Katsumata *et al.*, “OSSGAN: Open-Set Semi-Supervised Image Generation,” In *CVPR*, 2022.
- K. Katsumata *et al.*, “Open-Set Domain Generalization via Metric Learning,” In *ICIP*, 2021.
- K. Katsumata and H. Nakayama, “Semantic Image Synthesis from Inaccurate and Coarse Masks,” In *ICASSP*, 2021.
- K. Katsumata and R. Kobayashi, “Uncertainty Estimates in Bayesian Deep Generative Models,” *Advances in Visual Computing*, 2020.

Non Peer-reviewed

- K. Katsumata *et al.*, “Deformable 3D-Aware GAN with Implicit Deformation Fields,” In *MIRU*, 2023.

WORK EXPERIENCE

Preferred Networks Inc., Tokyo - Research Intern

Aug – Sep 2022

- Did research on unconditional image generation and visual artifact removal.

Idein Inc., Tokyo - Part-time Software Engineer

Apr 2017 – Apr 2021

- Did research on deep learning algorithms for face detection and facial landmark localization.

METRICA Co., Ltd., Tokyo - Software Engineer

Jan – Dec 2018

- Replicated machine learning models and prototyped an adult care service.

SenseTime Group Ltd., Beijing and Tokyo - Research Intern

Feb – Jun 2018

- Did research on unsupervised image-to-image translation for data augmentation.

DeNA Co., Ltd., Tokyo - AI Research and Development Intern

Aug – Sep 2017

- Did research and development on browser-based real-time super-resolution algorithms.

HONORS & AWARDS

German Academic Exchange Service (DAAD) AInet fellow, 2023.

Japan Society for the Promotion of Science (JSPS) Research Fellowship for Young Scientists (DC2), 2023–2025.

Sprouting Research RA in Value Exchange Engineering by RIISE@UTokyo, ¥2.0M, 2023–2024.

Grad. Sch. of IST Doctoral Student Special Incentives Program (IST-RA), 2022–2023.

RIKEN Junior Research Associate Program (JRA), 2022–2023.

Microsoft Research Asia Collaborative Research 2022 Grant (D-CORE) Award, \$10K, 2022.

JASSO Repayment Exemption for Students with Excellent Grades (Exemption of all of loan), ¥2.1M, 2022

Toyota/Dwango AI Scholarship, ¥1.2M, 2021–2022.

JEES/Softbank AI Scholarship, ¥1M, 2020–2021.

2017 ACM-ICPC Asia Tsukuba Regional Contest (team: peryaudio).

Japanese Olympiad in Informatics 2014 participants, 16th / 1121.

EDUCATION

The University of Tokyo, Tokyo
Ph.D. in Information Science and Technology

Class of 2025

The University of Tokyo, Tokyo
Master of Information Science and Technology

Class of 2022

Overall GPA: 3.9/4.0

Keio University, Kanagawa
Bachelor of Arts in Environment and Information Studies

Class of 2020

Overall GPA: 3.3/4.0