Kodai Kawamura

LinkedIn | GitHub

Education

- **National University of Singapore** *August 2025 - Present*
  Doctor of Philosophy (Ph.D.) in Computer Science Singapore
- **Tokyo University of Science** *April 2020 - March 2025*
  Bachelor of Engineering (B.E.) in Information and Computer Technology Tokyo, Japan
- **University of California, Davis** *April 2022 - March 2023*
  Global Study Program CA, United States

Research Experience

- **cvpaper.challenge** *June 2024 - August 2025*
  Research Member, Mentor: Dr. Hirokatsu Kataoka Ibaraki, Japan
  - Led a project on Approximate Domain Unlearning (ADU), a new task for selectively removing domain-specific knowledge from pre-trained vision-language models
- **Korea University** *August 2024 - November 2024*
  Research Internship, Advisor: Prof. Sangpil Kim Seoul, South Korea
  - Contributed to a project on watermarking video diffusion models, which embeds watermarks into video diffusion models to establish model ownership.
- **Tokyo University of Science** *June 2023 - May 2024*
  Bachelor's Thesis Research, Advisor: Prof. Go Irie Tokyo, Japan
  - Enhanced classification performance of a pre-trained Vision-Language Model using only a single unlabeled test sample.
  - Conducted all of the experiments and wrote the entire paper, which was accepted at *the British Machine Vision Conference (BMVC) 2024*.
  - Presented the work at *the Visual Geometry Group (VGG), University of Oxford*.

Publications

C=Conference, J=Journal, S=In Submission

[S.2] **Kodai Kawamura**, Yuta Goto, Rintaro Yanagi, Hirokatsu Kataoka, Go Irie. **Approximate Domain Unlearning for Vision-Language Models**. *NeurIPS 2025 (Under review)*.

[S.1] MinHyuk Jang, Youngdong Jang, JaeHyeok Lee, **Kodai Kawamura**, Feng Yang, Sangpil Kim **LVMark: Robust Watermark for latent video diffusion models**. arXiv 2024

[C.1] **Kodai Kawamura**, Shunya Yamagami, Go Irie. **Region-based Entropy Separation for One-shot Test-Time Adaptation**. *The 35th British Machine Vision Conference (BMVC 2024)*.

Honors and Awards

- **Excellent Paper Award** *May 2025*
  Computer Vision and Image Media / Pattern Recognition and Media Understanding
  - Given as an Excellence Award at a conference in Japan.
- **Outstanding Student Award** *March 2025*
  Tokyo University of Science
- **Dean's Award** *March 2023*
  Tokyo University of Science
  - Top 5 in GPA within the department (3rd out of 105 students).

Invited Talks

- **Region-based Entropy Separation for One-shot Test-Time Adaptation** *November 2024*
  Visual Geometry Group (VGG), University of Oxford

Teaching

- **Teaching Assistant** *Winter 2023*
  JPN 111 at University of California, Davis