Kodai Kawamura

Email: 4620034@ed.tus.ac.jp

EDUCATION

Tokyo University of Science   Tokyo, Japan

B.E. in Information and Computer Technology   April 2020–Present

GPA: 3.71/4.00; **Dean's Award (Top 5 students)**

University of California, Davis   Davis, CA

Global Study Program (GSP)   April 2022–March 2023

RESEARCH EXPERIENCE

Tokyo University of Science   Tokyo, Japan

Bachelor's Thesis Research, Advisor: Prof. Go Irie   June 2023–May 2024

- Enhanced classification performance of a pre-trained Vision-Language Model using only a single test sample without any labels.
- 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**.

cvpaper.challenge   Ibaraki, Japan

Research Member, Mentor: Dr. Hirokatsu Kataoka   June 2024–Present

- Leading a project on selective forgetting of specified domains, which we fine-tune a pre-trained model to reduce the classification accuracy for only the specified domains without affecting the accuracy for the others (targeting submission to NeurIPS 2025).

Korea University   Seoul, South Korea

Research Internship, Advisor: Prof. Sangpil Kim   August 2024–Present

- Contributed to a project on watermarking video diffusion models, which embeds watermarks into video diffusion models to establish model ownership (under review for CVPR 2025).

PUBLICATIONS

International Conference

- *LVMark: Robust Watermark for Latent Video Diffusion Models*
  Youngdong Jang, Minhyuk Jang, Jaehyeok Lee, **Kodai Kawamura**, Feng Yang, Sangpil Kim
  CVPR 2025 (Under Review)
- *Region-based Entropy Separation for One-shot Test-Time Adaptation*
  Kodai Kawamura, Shunya Yamagami, Go Irie
  BMVC 2024

Domestic Conference in Japan

- *One-shot Test-Time Adaptation with Textual Inversion*
  Shunta Kimura, **Kodai Kawamura**, Shunya Yamagami, Qing Yu, Kiyoharu Aizawa, Go Irie
  27th Meeting on Image Recognition and Understanding (**Oral**)
- *Region-based Entropy Separation for One-shot Test-Time Adaptation*
  Kodai Kawamura, Shunta Kimura, Shunya Yamagami, Go Irie
  27th Meeting on Image Recognition and Understanding

INVITED TALKS

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

TEACHING EXPERIENCE

- **Teaching Assistant, JPN 111**
  University of California, Davis

PROFICIENT SKILLS

- **Pattern Recognition and Computer Vision**
  Strong research experience
- **Deep Learning and Machine Learning Frameworks**
  Proficient in PyTorch and Scikit-Learn
- **Cybersecurity**
  CTF Team Member, Cyber Security Club at UC Davis
- **Reverse Engineering**
  Skilled in Ghidra and GDB