

Kyomin Hwang

Master Student
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<https://github.com/KyominHwang>

EDUCATION

Mar. 2017 ~ Feb. 2023	Kookmin University School of Software <i>B.S. in Software</i> GPA: 4.42 / 4.5	Seoul, Korea
Mar. 2023 ~ Present	Seoul National University Department of Intelligence and Information <i>Advisor: Nojun Kwak</i> <i>Master Student</i> GPA: 3.85 / 4.3	Seoul, Korea

RESEARCH INTERESTS

- Multi modality
- Domain adaptation
- Human-AI Interaction

PUBLICATIONS (INTERNATIONAL CONFERENCE)

1. Kyo-min Hwang, Sang-chul Kim, "a study of cnn-based human behavior recognition with channel state information", 2021 International Conference on Information Networking (ICOIN), Jeju Island, Korea (Jan. 2021) - Conference paper

PUBLICATIONS (INTERNATIONAL JOURNAL)

1. Kyomin Hwang, Gangjoon Yoon, Jinjoo Song, Sangmin Yoon, "Fusing bi-directional global-local features for single image super-resolution", *ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE*, (2024)

CONFERENCE WORKSHOP

- Kyomin Hwang, Suyoung Kim, Junhoo Lee, Nojun Kwak, "Do not think about pink elephant!", Responsible Generative AI Workshop (CVPR 2024 Workshop), June 2024.

PUBLICATIONS (DOMESTIC CONFERENCE)

1. Sang-Chul kim, kyomin hwang, "채널 상태 정보를 이용한 이상 행동 분류에 대한 모델링 연구", 한국통신학회 학술대회논문집, (2021)
2. Kyomin Hwang, Minhyeok Jang, Yoonjae Lee, "Industry Control System Security Threat Detection using Feature Attention", The Institute of Electronics and Information Engineers, (2021)
3. jayeon yoo, dongkwan lee, inseop chung, seungwoo lee, kyomin hwang, donghyeon lee, nojun kwak, "지속적으로 변하는 테스트 환경에서 객체 탐지를 위한 온라인 적응 방법", 36th Workshop on Image Processing and Image Understanding, (2024)

ARXIV PAPER

- Kim, T., Ahn, P., Kim, S., Lee, S., Marsden, M., Sala, A., ... & Sun, M. (2023). NICE 2023 Zero-shot Image Captioning Challenge. arXiv preprint arXiv:2309.01961.
- Inseop Chung, Kyomin Hwang, Jayeon Yoo, Nojun Kwak. (2024). Mitigating the Bias in the Model for Continual Test-Time Adaptation. arXiv preprint arXiv:2403.01344.
- Lee, J., Lee, H., Hwang, K., & Kwak, N. (2024). Deep Support Vectors. arXiv preprint arXiv:2403.17329.

RESEARCH EXPERIENCES

- Research Intern at mobile computing lab, Kookmin Univ, Korea (Aug. 2020 ~ Jul. 2021) / Humman behavior recognition using channel state information
- Research Intern at HCI lab, Kookmin Univ, Korea (Aug. 2021 ~ Jul. 2022) / Super Resolution
- Research Intern at MIPAL, Seoul National University, Korea (Jul. 2022 ~ Aug. 2022) / Domain Generalization
- Research Intern at Machine Learning and Pattern Recognition Lab, Kookmin University, Korea (Sep. 2022 ~ Dec. 2022)

AWARDS AND HONORS

- Academic Excellence Scholarship, Kookmin Univ, Korea (Sep. 2017 ~ Dec. 2020)
- S&T Scholarship, S&T Foundation, Korea (Mar. 2021 ~ Dec. 2021)
- National Science & Technology Scholarship, KOSAF, Korea (Jan. 2021 ~ Dec. 2022)
- HAICON2021(grand prize, special prize), National Intelligence Service(NIS), National Security Research Institute(NSR), Korea (Nov. 2021)
- Capstone Design Contest (excellence award), Kookmin University, Korea (Jun. 2022)
- Software University AI Contest (participation award), Institute of Information & Communications Technology Planning & Evaluation(IITP), Software University Society, Korea (Nov. 2022)

EXPERIENCE

- Summer Innovation Engagement Program : UC Irvine (Aug. 2017) / unity
- HAICON 2021 ranked in 3rd place(Nov, 2021) / Anomaly detection
- AI yangjae hub artificial intelligence opensource contest ranked in 22th place(Oct, 2022) / single image super resolution

- SW university AI contest ranked in 17th place(Nov, 2022) / OCR
- AI-based emotion monitoring service for the elderly(Capstone project, Jun. 2022) / depression classification with text and speech dataset
- New frontiers for zero-shot Image Captioning Evaluation(CVPR 2023 NICE Challenge) ranked in 6th place (May, 2023) / zero-shot image captioning
- 2023 Samsung AI Challenge : Camera-Invariant Domain Adaptation ranked in 11th place (Oct, 2023) / domain adaptation for semantic segmentation

TEACHING EXPERIENCE

- Teaching Assistant, Computer Programming, Kookmin univ. (Spring 2020, Fall 2020, Spring 2022)
- Teaching Assistant, Numerical Analysis, Kookmin univ. (Spring 2021)
- Teaching Assistant, Software Project, Kookmin univ. (Fall 2021)
- Teaching Assistant, KDB-SNU AI non-degree course, Seoul National univ. (May 2023)