

Youngseo Kim

Undergraduate student in A.I, with concentration in Computer Vision

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Research Interests

Generative Model Multi-modal Fusion

Education

Mar. 2019-	University of Sangmyung at Seoul
Present	BS. Department of Human-Centered Artificial Intelligence
	GPA: 3.92 / 4.5

Research & Work Experience

Aug. 2021-	Institute of Intelligence Informatics Technology, Sangmyung University
Mar. 2022	Undergraduate Researcher
	Development of Human Pose

Apr. 2022-	K-SW Square Spring Program, Purdue University
Aug. 2022	Researcher Intern
	Capstone Project, Drone Detection

Sep. 2022-	Computer Vision Lab, Korea University
Present	Undergraduate Researcher
	Multi-modal Representation Learning

Publications

- [1] J. Kim, D. Lee, **Y. Kim**, H. shin, Y. Heo, Y. Wang, Eric T. Matson, "Deep Learning Based Malicious Drone Detection Using Acoustic and Image Data," 2022 Sixth IEEE International Conference on Robotic Computing (IRC), Italy, 2022, pp. 91-92, doi: 10.1109/IRC55401.2022.00024.
- [2] J. Kim, **Y. Kim**, H. shin, Y. Wang, Eric T. Matson, "'How Far Can a Drone be Detected?: A Drone-to-Drone Detection System Using Sensor Fusion", International Conference on Agents and Artificial Intelligence (ICAART), Portugal, 2023
- [3] *preprint "Sound2Video: Flow Based Diffusion Sampling for Temporally Consistent Sound Guided Visual Effect Rendering", Proceedings of the IEEE/CVF International Conference on Computer Vision. 2023*

Conferences

1. J. Kim, D. Lee, **Y. Kim**, H. shin, Y. Heo, Y. Wang, Eric T. Matson, "2022 Sixth IEEE International Conference on Robotic Computing (IRC)", Italy, Dec. 2022 - poster
2. J. Kim, **Y. Kim**, H. shin, Y. Wang, Eric T. Matson, "15th International Conference on Agents and Artificial Intelligence 2023 (ICAART 2023)", Portugal, Feb. 2023 - poster

Research & Work Experience

Sep. 2021-	PBL Project 1
Dec. 2021	A system that creates the model the casting director wants, using face descriptions
	Development of Multimodal Learning

Mar. 2021- July. 2021	PBL Project 2 Semantic segmentation technology position of a recommendation service Development of Semantic Segmentation
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Honors and Awards

Nov. 2019	3rd Prize at Sangmyung Creative Convergence Integration Performance Contest 『SM AI Contest』, Sangmyung University National Science Foundation Graduate Research Fellowship
Aug. 2021	1st Prize at 1st SW Educational Performance Convention 『SM AI Competition』, Sangmyung University
Nov. 2021	Second Prize At 2nd SW Education Performance Convention 『SM AI Competition』, Sangmyung University
Dec. 2021	SW Scholarship, Sangmyung University

Skills

Programing	Python(Fluent), C(Fluent), bash, Linux, Java, LATEX Pytorch(Fluent), TensorFlow, Keras
Languages	Korean, English, Japanese