

# Youngseo Kim

Undergraduate student in A.I, with concentration in CV

Sangmyung University.  
Seoul 03016, South Korea  
(+82) 10-5699-9941  
201910787@sangmyung.kr

## Research Interests

Generative Model   Multi-modal Fusion

## Education

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

## Research & Work Experience

Aug. 2021-	<b>Institute of Intelligence Informatics Technology, Sangmyung University</b>
Mar. 2022	Undergraduate Researcher
	Development of Human Pose
Apr. 2022-	<b>K-SW Square Spring Program, Purdue University</b>
Aug. 2022	Researcher Intern
	Capstone Project, Drone Detection
Sep. 2022-	<b>Computer Vision Lab, Korea University</b>
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

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

Mar. 2021- July. 2021	<b>PBL Project 2</b> 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