

# Chanyoung Kim

Updated March 27, 2022

**Email:** kochanha@gmail.com

**GitHub:** github.com/kochanha

**Phone:** (+82) 10-2823-5277

**LinkedIn:** linkedin.com/in/chanyoung-kim

**Research Interests** 3D Computer Vision, Multi-modal Representation, Edge Computing

**Education** **Sejong University** Seoul, Republic of Korea  
B.S. in Intelligence Mechatronics Engineering Mar. 2017 – Feb. 2023 (exp.)  
GPA : 3.95 / 4.5 (6 out of 8 semesters)

**Publications** **Sound-Guided Semantic Image Manipulation**  
S.Lee, W.Roh, W.Byeon, S.H.Yoon, **C.Kim**, J.Kim\*, S.Kim\*  
*IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2022*  
[\[PDF\]](#)

**Audio-Semantic Manipulation for Artistic Paintings**  
S.Lee, N.Lee, **C.Kim**, W.Ryoo, J.Kim, S.H.Yoon\*, S.Kim\*  
*NeurIPS 2021 Workshop on ML for Creativity and Design* [\[PDF\]](#)

**Research Experience** **Research Intern, Computer Vision Lab @ Korea University**  
*Advisor: Prof. Sangpil Kim (Dept. of AI)* Feb. 2021 – Present  
Research Area  
- Event-based 3D Computer Vision (*joint research with Facebook Reality Lab*)  
- Multi-modal Representation Learning (*joint research with NVIDIA*)

**Skills** **Programming**  
Fluent in Python, Pytorch, Tensorflow, Scikit-Learn, Shell Script, Git,  
Kaggle - Notebook Expert (World Ranking Top 0.3%)  
Have foundation for C, Unity3D, Photoshop,  $\text{\LaTeX}$

**Languages**  
Native Speaker in Korean  
Fluent in English  
- TOEIC 870  
- 2 years at McKinley School, Pasadena, CA, United States (2006 – 2008)

**Project Experience** **Personal Privacy Free Autonomous Drone** Jul. 2021 – Feb. 2022  
**Delivery Service Platform with Event Vision**  
*founded by National Research Foundation of Korea (NRF)*  
*George Washington University, Washington, D.C., USA*

**Real-time Object Detection for Embedded Systems on Drones**

*Sejong University*

Sep. 2021 – Dec. 2021

*Advisor: Prof. Jaekyu Suhr (Dept. of Intelligent Mechatronics Engineering)*

**Light Weight Image Classification Model**

**for Edge Computing Systems**

Feb. 2021 – Jun. 2021

*GE Appliances a Haier company*

Teaching Experience

**LG CNS**

*Teaching Assistant*

July. 2021 – Aug. 2021

Anomaly Detection Course for LG CNS Executives and Employees

Awards

**LAB Start-up 2022**

**1st Prize**

Feb. 2022

*awarded by the President of Korea University.*

Team topic : "Personal Privacy Free Object Detector for Drone with Event Vision"

**2021 KU  $\pi$ -Ville Start-Up Demo Day**

**2nd Prize**

Oct. 2021

*awarded by the Head of the Crimson Start-Up Support Team, Korea Univ.*

Team topic : "Delivery Drone Platform"

**2021 Creative Makers Competition**

**1st Prize**

Jun. 2021

*awarded by the Dean of Software Convergence College, Sejong Univ.*

Team topic : "Model Optimization Method for Light Embedded Systems"

**2020 International Robot Contest**

**4th Prize**

Nov. 2020

*AI Mission Challenge*

Team topic : "Autonomous Flight Drone"

**XXIII Pyeongchang Olympic Winter Games**

**Award of Excellence**

Feb. 2018

*awarded by President of International Olympic Committee(IOC)*

**Medal of Contribution**

Jul. 2019

*awarded by Republic of Korea Government Minister of Culture, Sports and Tourism*

**2019 Seoul PM Hackathon**

**5th Prize**

Jun. 2019

*awarded by Head of the Seoul Institute of Technology.*

Team topic : "PM Mask Recommendation Depending On Personal State and Estimated Life Shortening Prediction based on AI Model"

**4th Sejong SW Hackathon**

**2nd Prize**

Jun. 2018

*awarded by Director of Leading University for Excellence in Software Education Project, Sejong Univ.*

**Club Activities**

**SMARCLE @ Sejong University**

*Vice President*

Sep. 2017 – Feb.2022

I have established an AI club; led a study and various research.

[www.smarcle.dev](http://www.smarcle.dev)

**Scholarship**

**Sejong Scholarship for Outstanding GPA.**

Sep. 2021 – Dec. 2021

*40% tuition for one semester*