

Chan Young Kim

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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
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.Y.Kim, J.Kim*, S.Kim*
arXiv 2021 [[PDF](#)]

Audio-Semantic Manipulation for Artistic Paintings
S.Lee, N.Lee, C.Y.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

Teaching Experience **LG CNS**
Teaching Assistant July. 2021 – Aug. 2021
Anomaly Detection Course for LG CNS Executives and Employees

Korea National Council on Social Welfare
Mentor Jun. 2020 – Dec. 2021
Mentoring IoT, Arduino and Machine Learning to age between 12–14

Project Experience **Ultra-Light Weight Image Classification Model for Edge Computing Systems** Feb. 2021 – Jun. 2021
GE Appliances a Haier company

Personal Privacy Free Autonomous Drone Delivery Service Platform with Event Vision Jul. 2021 – Feb. 2022
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)

Awards

2021 KU π -Ville Start-Up Demo Day

2nd Prize

Oct. 2021

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

10th Sejong SW/AI Hackathon

4th Prize

Oct. 2021

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

Team topic : "AI based Stock Price Prediction and Recommendation"

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 – Present

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

www.smarcle.dev

Scholarship

Sejong Scholarship for Outstanding GPA.

Sep. 2021 – Dec. 2021

40% tuition for one semester

Skills

Programming

Proficient in: Python

Familiar with: C

Tools

Proficient in: MS Office, Tensorflow, Scikit-Learn, Ubuntu, Git,

Kaggle - Notebook Expert (Rank 1581)

Familiar with: Pytorch, Unity3D, Photoshop, Android Studio, ~~LaTeX~~

Languages

Native Speaker in Korean

Proficient in English

- TOEIC 870

- 2 years at McKinley School, Pasadena, CA, USA (2006 – 2008)