Chanyoung Kim

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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)

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

Skills

Programming

Fluent in Python, Pytorch, Tensorflow, Scikit-Learn, Shell Script, Git, Kaggle - Notebook Expert (World Ranking 1,581/204,870)

Have foundation for C, Unity3D, Photoshop, LaTeX

Languages

Native Speaker in Korean

Fluent in English

  - TOEIC 870
  - 2 years at Mckinley School, Pasadena, CA, United States (2006 – 2008)

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]

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

Korea National Council on Social Welfare

Mentor   Jun. 2020 – Dec. 2021

Mentoring IoT, Arduino and Machine Learning to age between 12–14

Awards

LAB Start-up 2022
1st Prize   Feb. 2022

awarded by the President of Korea University.

Team topic : "Personal Privacy Free Autonomous Drone with Event Vision"

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.

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 Directer 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

Scholarship   **Sejong Scholarship for Outstanding GPA.**   Sep. 2021 – Dec. 2021
                         40% tuition for one semester