Chanyoung Kim

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Phone: (+82) 10-2823-5277   **LinkedIn**: linkedin.com/in/chanyoung-kim

Research interests	3D Computer Vision

Education

Sejong University   Seoul, Republic of Korea

B.S in Intelligence Mechatronics Engineering   Mar. 2017 – Feb. 2023

GPA : 3.85 / 4.5 (5 out of 8 semesters)

Domestic Papers

Performance Evaluation on Inference Time of Ocular Disease Classifier Based on Light Embedded Systems

DongHyun Sim, **Chanyoung Kim**, Suzy Kwak, Jihyun Bae, Woo Jung Shin, Hyung Seok Kim*

The Institute of Electronics and Information Engineers, July. 2021

Optimization of Deep Learning based Object Detector for Embedded UAV Systems

Jeongbin Park, Seungil Park, **Chanyoung Kim**, Jae Kyu Suhr*

The Institute of Electronics and Information Engineers, Dec. 2021

International Papers

Audio-Semantic Manipulation for Artistic Paintings

Seunghyun Lee, Nahyuk Lee, **Chanyoung Kim**, Wonjeong Ryoo, Jinkyu Kim, SangHo Yoon*, Sangpil Kim*

NeurIPS 2021 Workshop on ML for Creativity and Design

Research experience

Research Intern, Computer Vision Lab @ Korea University

Advisor: Prof. Sangpil Kim (Dept. of AI)   Feb. 2021 – Dec. 2021

Research Area

   - Event Based 3D Computer Vision *(joint research with Facebook Reality Lab)*

Teaching experience

Korea National Council on Social Welfare

Mentor   Jun. 2020 – Dec. 2021

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

LG CNS

Teaching Assistant   July. 2021 – Aug. 2021

AI Coding Mentoring for LG CNS Executives and Employees

Project experience

Seoul Metro

Station Attendant Helper Application   Jun. 2019 – Sep. 2019

Seoul Metro

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

Anomaly Detection with Time Series Data   Jul. 2021 – Aug. 2021
LG CNS

Personal Privacy Free Autonomous Drone   Jul. 2021 – Present
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)

Awards **1st Creative Convergence Nomad Idea Competition**
2nd Prize   Dec. 2017
awarded by the Dean of Software Convergence College, Sejong Univ.
Team topic : "Making a Product Using Dye Sensitized Solar Cells(DSSC)"

4th Sejong SW Hackathon
2nd Prize   Jun. 2018
awarded by Director of Leading University for Excellence in Software Education
Project, Sejong Univ.

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"

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

Seoul Metro
Award of Certificate   Dec. 2019
awarded by CEO of Seoul Metro

Awarded for App Development Contribution

2020 International Robot Contest
4th Prize   Nov. 2020
AI Mission Challenge
Team topic : "Autonomous Flight Drone"

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"

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 KU π-Ville Start-Up Demo Day
2nd Prize   Oct. 2021
awarded by the Head of the Crimson Start-Up Support Team, Korea 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

                       Languages
                       Native Speaker in Korean
                       Proficient in English
                           - TOEIC 870
                           - 2 years at Mckinley School, Pasadena, CA, USA (2006 – 2008)
                       Beginer in Japanese