Chanyoung Kim

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

Research interests	3D Computer Vision, Autonomous Flight Drones

Education

Sejong University   Seoul, Republic of Korea
B.S in Intelligence Mechatronics Engineering   Mar. 2017 – Present
GPA : 3.85 / 4.5

Publications

Performance Evalutaion on Inference Time of Ocular Disease Classifier Based on Light Embedded Systems
DongHyun Sim, **Chanyoung Kim**, Suzy Kwak, Jihyun Bae, Woo Jung Shin, Hyungsuk Kim[*]
The Institute of Electronics and Information Engineers, July. 2021

Audio-Semantic Manipulation for Artistic Paintings
Seunghyun Lee, Nahyuk Lee, **Chanyoung Kim**, Wonjeong Ryoo, Jinkyu Kim, SangHo Yoon[*], Sangpil Kim[*]
arXiv 2021, **NeurIPS 2021 Workshop** *(Under Review)*

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

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"

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/C++, MATLAB

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