

Chanyoung Kim

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Research interests Edge Computing, 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
Delivery Service Platform with Event Vision**

Jul. 2021 – Present

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)

Beginner in Japanese