

# Chanyoung Kim

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**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

**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  
*The Institute of Electronics and Information Engineers, July. 2021*

**Research experience** **Research Intern, Computer Vision Lab @ Korea University**  
*Mentor: Prof. Sangpil Kim (Dept. of AI)* Feb. 2021 – Present  
Research event-based 3D computer vision. Study about event based vision and Artificial Intelligence.

**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 – Present  
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 TFLite Image Classification Model for Edge Computing Systems** Feb. 2021 – Jun. 2021  
*GE Appliances a Haier company*

**Arial Semantic Segmentation with Drones** May. 2021 – Jun. 2021  
*Personal Project*

**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.*

Team topic : "IoT smart building system for Daeyang AI Center in 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 Drone Flight"

#### **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"

#### **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](http://www.smarcle.dev)

#### **Skills**

##### **Programming**

Proficient in: Python

Familiar with: C++, C

**Tools**

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

Familiar with: Pytorch, Unity3D, Photoshop

**Languages**

Native Speaker in Korean

Proficient in English

Beginner in Japanese