

Chanyoung Kim

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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

Tools

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

Familiar with: Pytorch, Unity3D, Photoshop

Languages

Native Speaker in Korean

Proficient in English

- TOEIC 870

- 2 years at McKinley School, Pasadena, CA, USA (2006 – 2008)

Beginner in Japanese