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"

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/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