Nahyuk Lee

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Phone: (+82) 10-2557-5493   **LinkedIn**: linkedin.com/in/nahyuk-lee/

Research interests	3D Computer Vision

Education	**Chung-Ang University**	Seoul, Republic of Korea
	B.S in Computer Science and Engineering	Mar. 2019 – Present
	Mentor : Prof. Junseok Kwon	
	GPA : 4.26 / 4.5	

Publications

Development of 3D Reconstruction and Object Recognition Model using Video
Nahyuk Lee, Kyungtaek Lee, Youngsup Park, Sanghyun Seo, Taemin Lee
Journal of Digital Contents Society, vol.21, no.11, pp.2011-2019 **(KCI)**
DOI : 10.9728/dcs.2020.21.11.2011

A Study on the Prediction of Emotion from Image by Time-flow using Color Analysis
Taemin Lee, **Nahyuk Lee**, Sanghyun Seo, Dongwann Kang
2020 International Conference on Computational Science and Computational Intelligence (CSCI) IEEE, pp.747-749, Las Vegas, United States, 2020 – Oral
DOI : 10.1109/CSCI51800.2020.00141

The Method for Creating Paintings depend on User's Emotion
Taemin Lee, **Nahyuk Lee**, Sanghyun Seo, Kyunghyun Yoon
International Conference on Innovation Convergence Technology(ICICT2020), Jeju, Korea, 2020 – Oral

Research experience

Research Intern, Computer Vision Lab @ Korea University
Mentor: Prof. Sangpil Kim (Dept. of AI)   Mar. 2021 – Jun. 2021
Research event-based 3D computer vision. Study about event based vision.

Research Intern, Computer Graphics Lab @ Chung-Ang University
Mentors: Prof. Kyunghyun Yoon & Sanghyun Seo   Dec. 2019 – Feb. 2021
Research 3D reconstruction for virtual space, affective computing using Machine-Learning.

Teaching experience

Teaching Assistant @ Chung-Ang University   Fall 2020 – Spring 2021
GE-52431: Understanding SW Programming for Problem Solving
Instructor: Taemin Lee (Davinci SW Education Institute)
Python language mentoring for course students.

Project experience	**Immersive Interaction in eXtended Reality Space for Real-world Recognition, Augmentation and Control** Dec. 2019 – Feb. 2021
	Funded by National Research Foundation of Korea (NRF)

Development of AI-based Virtual Space Structure Estimation Technology using Interior Space Point Cloud   May. 2020 – Feb. 2021
Funded by Korea Electronics Technology Institute (KETI)
Cooperated with Innosimulation Co., Ltd.

AI-based Dementia Severity Prediction   Jun. 2020 – Feb. 2021
Cooperated with Chung-Ang University Hospical (CAUHS)

Honors and
Scholarship

16th Kwanjeong Scholarship   Feb. 2021 – Present
Received Kwanjeong Scholarship from Kwanjeong Educational Foundation.
Full-tuition & fees during 2 years of undergraduate studies

Undergraduate Fellowship (Merit-based)
1. Da Vinci Scholarship V   Sping 2019 – Fall 2019
Admission with highest distinction, Full-tuition during 1 year of Freshman
2. Faculty Honor Scholarship   Fall 2019
Dean's List (1st of All), Full-tuition during 1 semester
3. Department Secondary Honor Scholarship   Spring 2020 – Fall 2020
Dean's List (Top 10%), 30%-tuition during 1 semester
4. SW Specialization Scholarship   Spring 2020 – Spring 2021
Research Fellowship funded by Davinci Software Institute at Chung-Ang Univ.

Award
1. Best Paper Award (2nd Grade), Humanities Research Institute, Chung-Ang Univ   Jul.2020
2. Best Paper Award (Top 10%), International Next-generation Convergence technology Association   Jul.2020
3. Excellence Award in Project, Innovation Center for Engineering Education, Chung-Ang Univ.   Aug. 2020
4. Best Paper Award, Digital Contents Society   Dec. 2020

Skills

Programming
Proficient in: Python
Familiar with: Java, C++, C

Languages
Native Speaker in Korean, Proficient in English

Other interests   Sports, Music and Cello