

# Nahyuk Lee

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**LinkedIn:** linkedin.com/in/nahyuk-lee/

**Research interests** 3D Graphics, 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)

**A Study on the Prediction of Emotion from Image by Time-flow using Color Analysis**

Taemin Lee, Nahyuk Lee, Sanghyun Seo, Dongwann Kang.  
*The 2020 International Conference on Computational Science and Computational Intelligence (CSCI'20) IEEE, Las Vegas, United States, 2020 – Oral*

**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 – Present  
Research event-based 3D computer vision. Currently, I'm researching 3D Reconstruction with event signal using Deep-Learning.

**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 Hospital (CAUHS)*

### **AI Consultant Training Project**

Jun. 2021 – Present

*Funded by LG CNS*

## 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

Spring 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 – Fall 2020

*Research Fellowship funded by Davinci Software Institute at Chung-Ang Univ.*

### **Award**

#### 1. Best Paper Award (2nd Grade), Humanities Research

Jul.2020

*Institute, Chung-Ang Univ*

#### 2. Best Paper Award (Top 10%), International Next-generation

Jul.2020

*Convergence technology Association*

#### 3. Excellence Award in Project, Innovation Center for

Aug. 2020

*Engineering Education, Chung-Ang Univ.*

#### 4. Best Paper Award, Digital Contents Society

Dec. 2020

## Skills

### **Programming**

Proficient in: Python

Familiar with: Java, C++, C

### **Languages**

Native Speaker in Koeran, Proficient in English

Other interests

Sports, Music and Cello